

HNO₃ Time Series

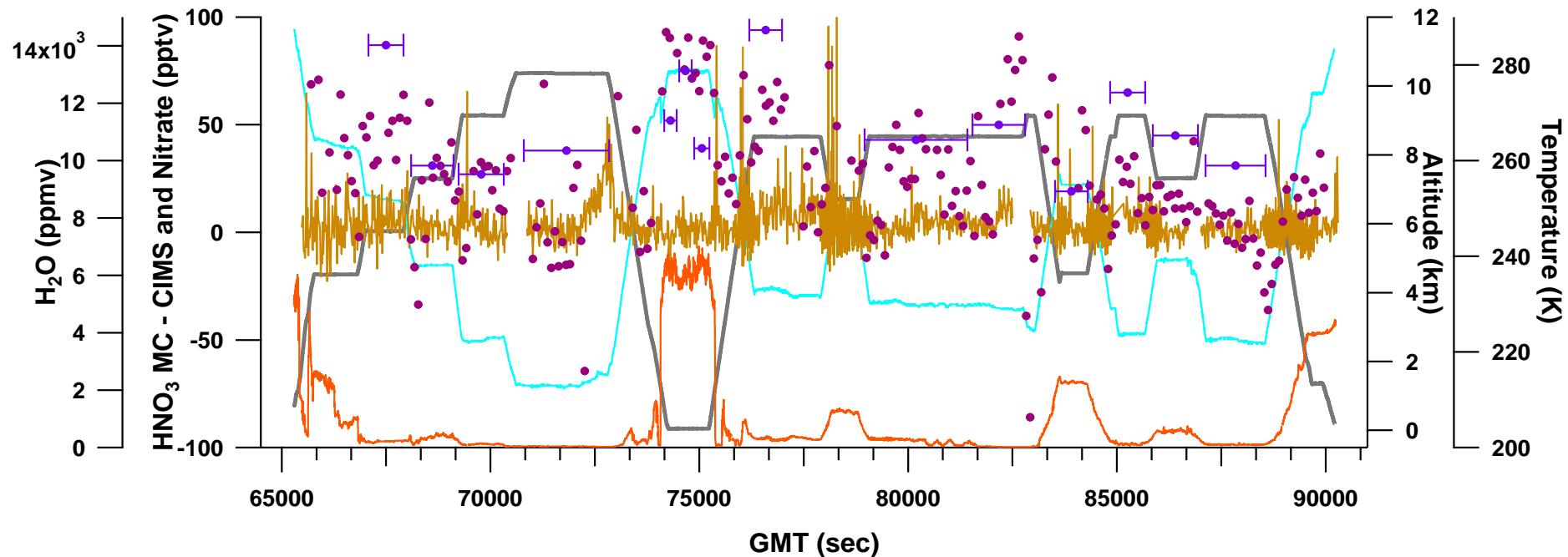
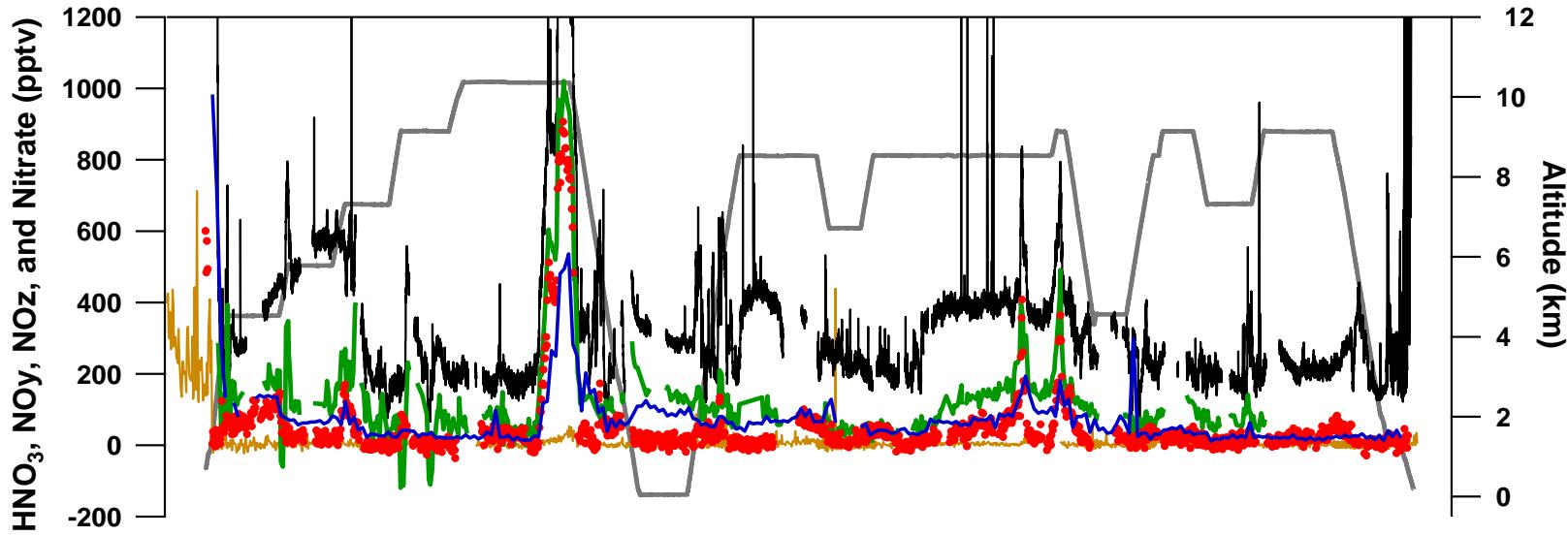
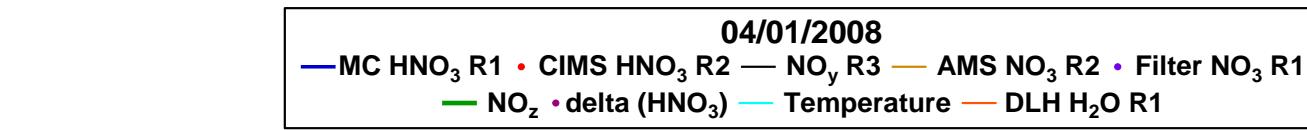
Definitions:

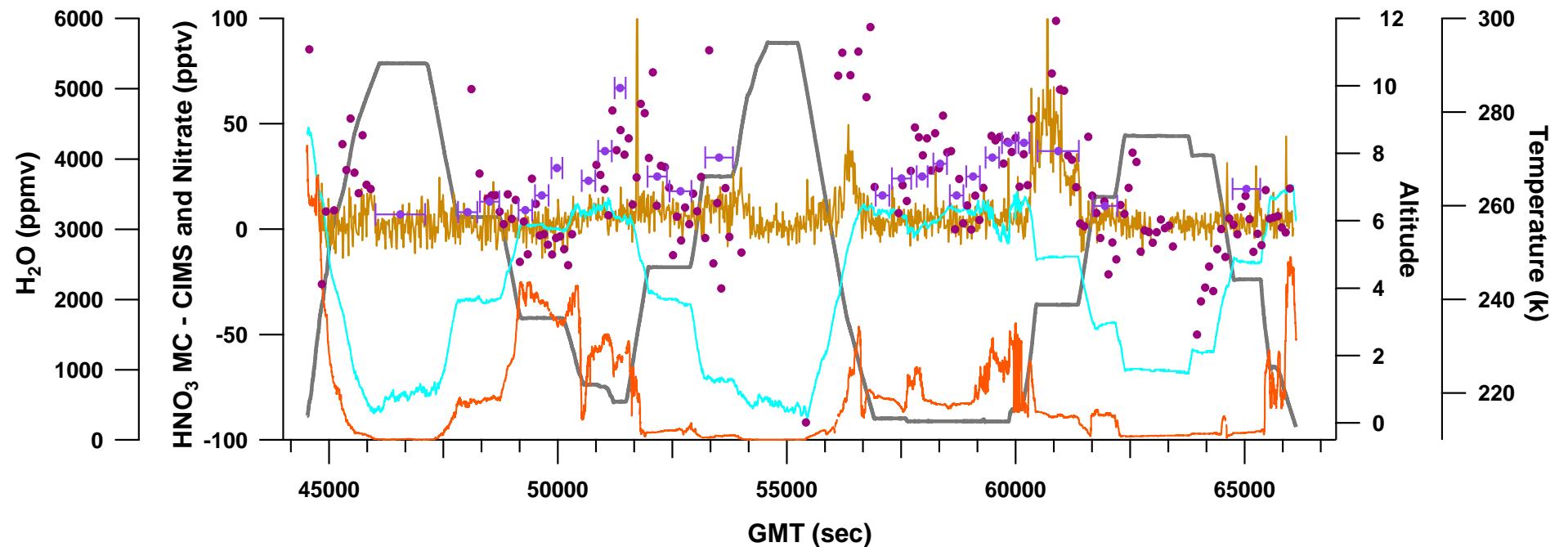
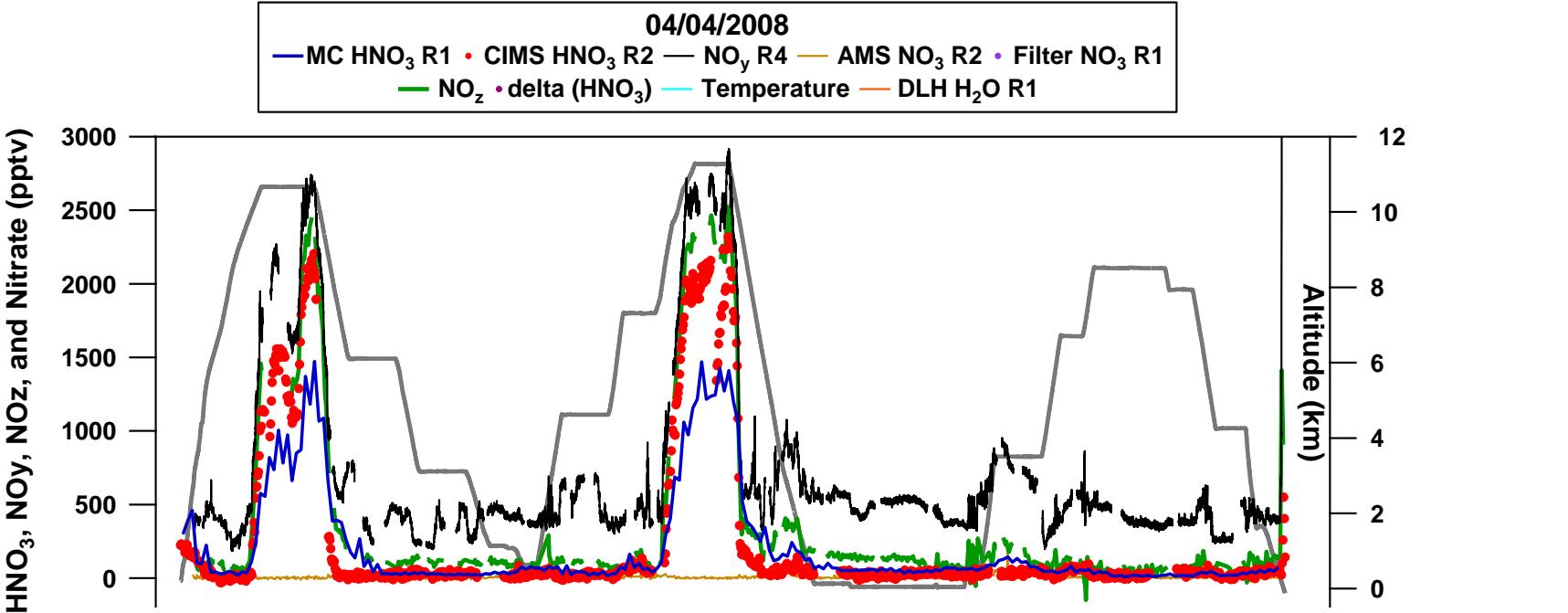
$$\text{NO}_z = \text{NO}_y - \text{NO}_2 - \text{NO} - \text{ANs} - \text{PNs}$$

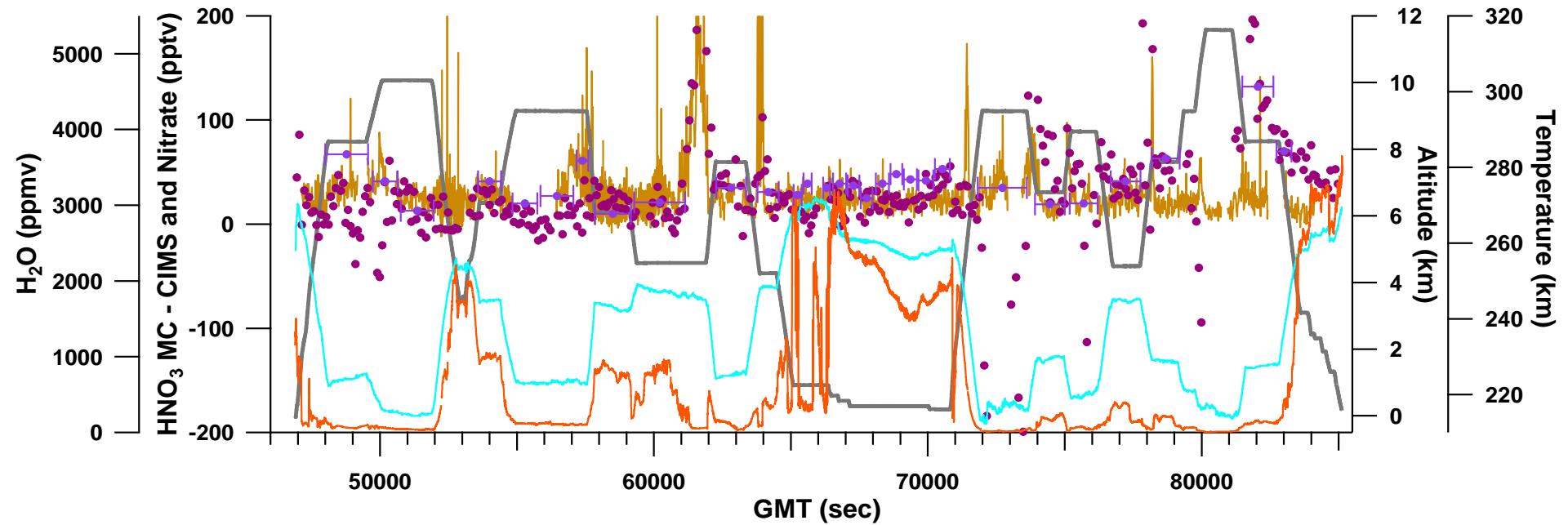
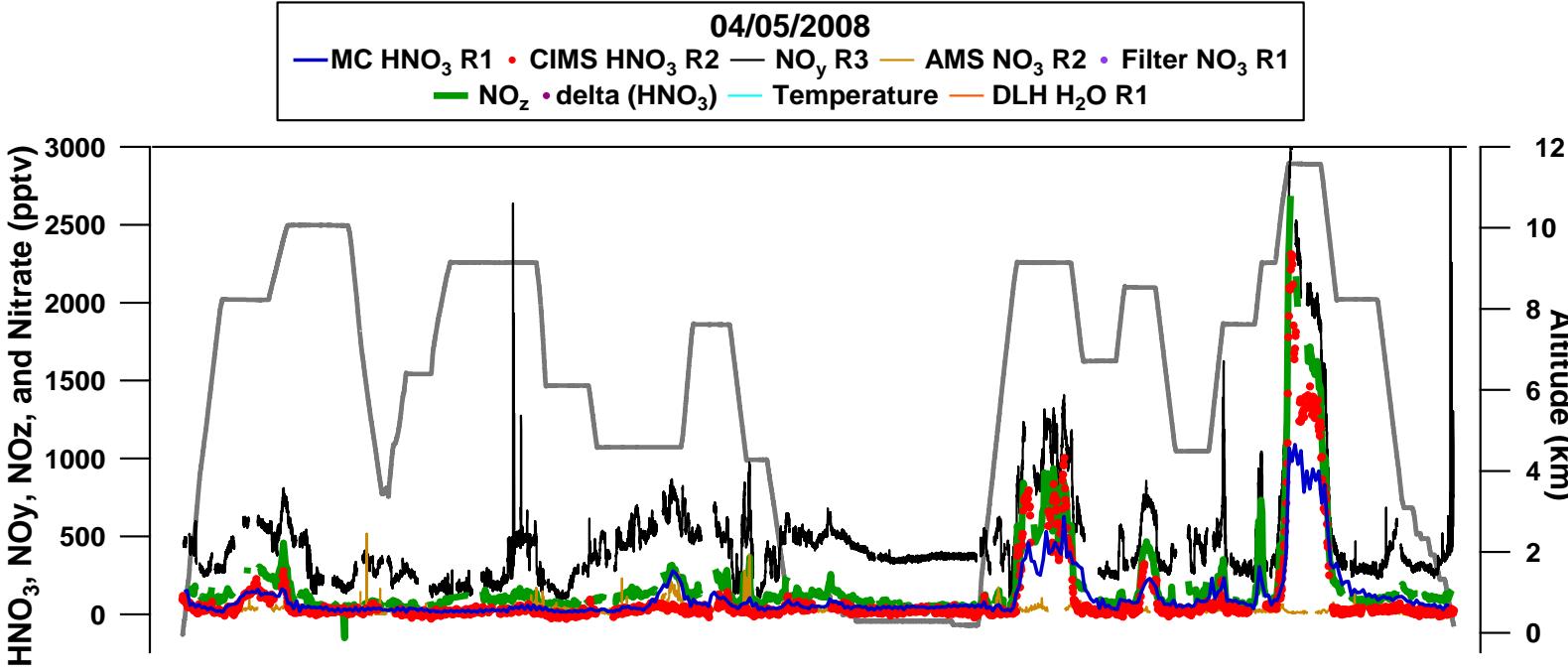
Note: ANs = 0; NO_z calculated using 1 second merge for Spring phase and 10 second merge for the Summer phase

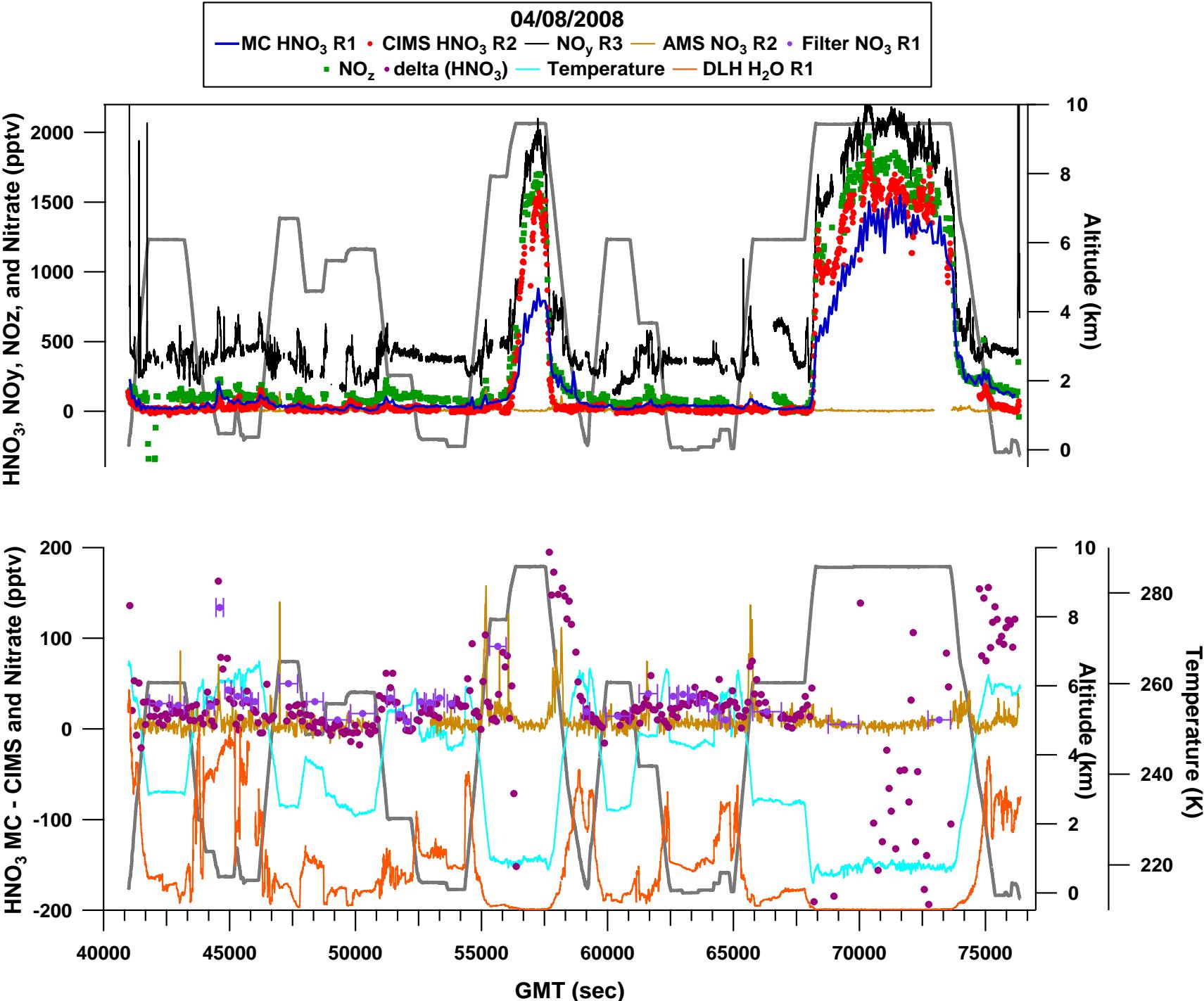
Revision Notes for NO_z

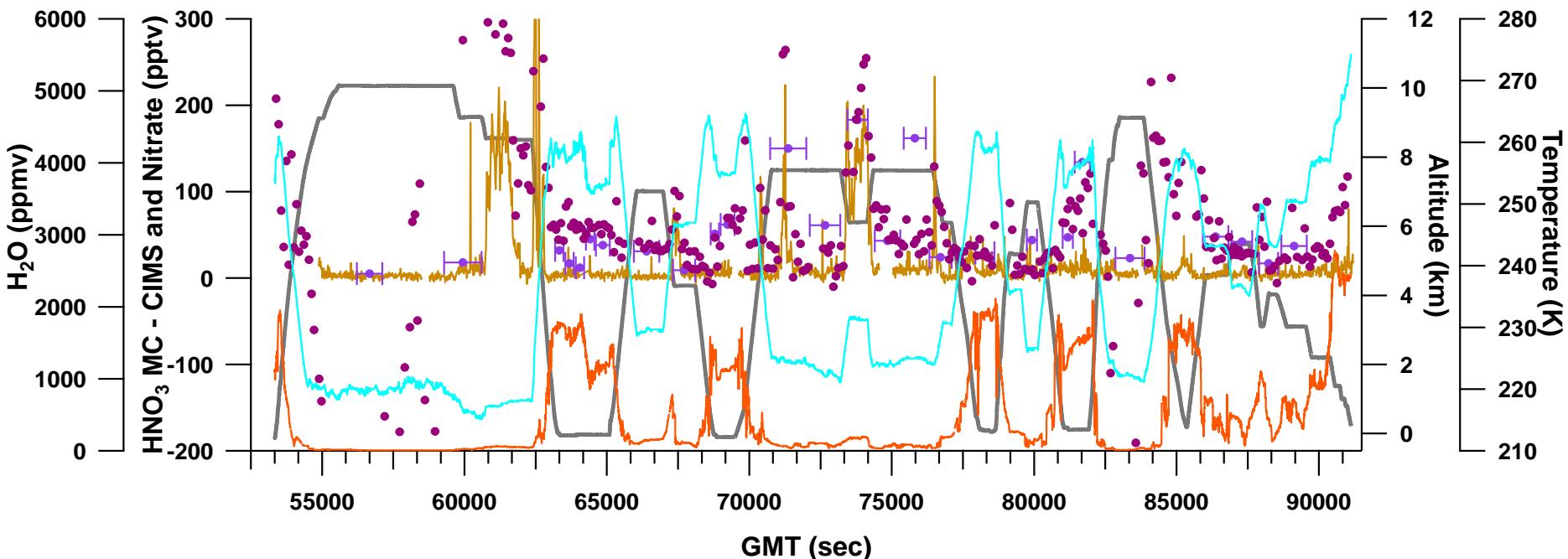
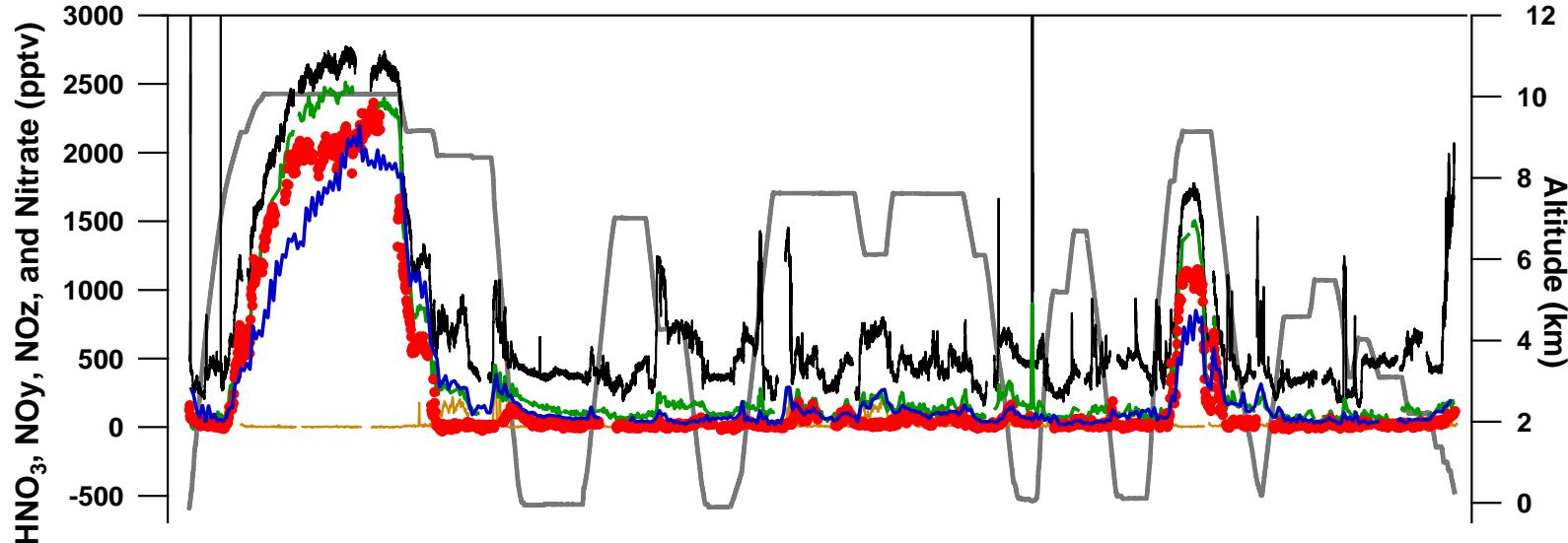
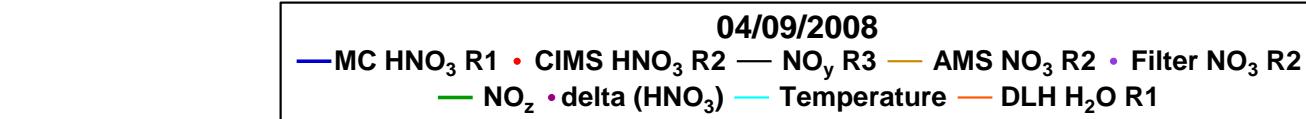
- 20080401: NOxyO3 (NO, NO₂ and NO_y) R3 and UCB-PNs R0
- 20080404: NOxyO3 (NO, NO₂ and NO_y) R3 and UCB-PNs R0
- 20080405: NOxyO3 (NO, NO₂ and NO_y) R3 and UCB-PNs R0
- 20080408: NOxyO3 (NO, NO₂ and NO_y) R3 and UCB-PNs R0
- 20080409: NOxyO3 (NO, NO₂ and NO_y) R3 and UCB-PNs R0
- 20080412: NOxyO3 (NO, NO₂ and NO_y) R3 and UCB-PNs R0
- 20080416: NOxyO3 (NO, NO₂ and NO_y) R3 and UCB-PNs R0
- 20080417: NOxyO3 (NO, NO₂ and NO_y) R3 and UCB-PNs R0
- 20080419: NOxyO3 (NO, NO₂ and NO_y) R3 and UCB-PNs R0
- 20080618: NOxyO3 (NO, NO₂ and NO_y) R3 and UCB-PNs R0
- 20080622: NOxyO3 (NO, NO₂ and NO_y) R3 and UCB-PNs R0
- 20080624: NOxyO3 (NO, NO₂ and NO_y) R3 and UCB-PNs R0
- 20080629: NOxyO3 (NO, NO₂ and NO_y) R3 and UCB-PNs R0
- 20080701: NOxyO3 (NO, NO₂ and NO_y) R3 and UCB-PNs R0
- 20080704: NOxyO3 (NO, NO₂ and NO_y) R3 and UCB-PNs R0
- 20080705: NOxyO3 (NO, NO₂ and NO_y) R3 and UCB-PNs R0
- 20080708: NOxyO3 (NO, NO₂ and NO_y) R3 and UCB-PNs R0
- 20080709: NOxyO3 (NO, NO₂ and NO_y) R3 and UCB-PNs R0
- 20080710: NOxyO3 (NO, NO₂ and NO_y) R3 and UCB-PNs R0
- 20080713: NOxyO3 (NO, NO₂ and NO_y) R3 and UCB-PNs R0

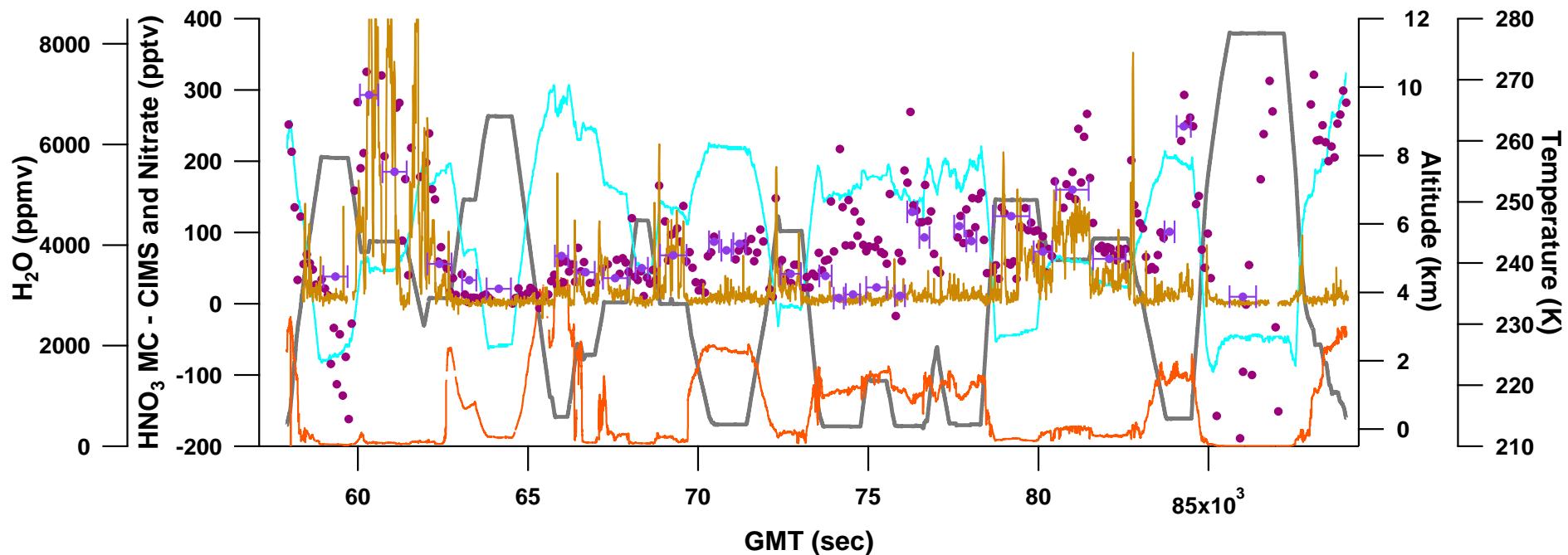
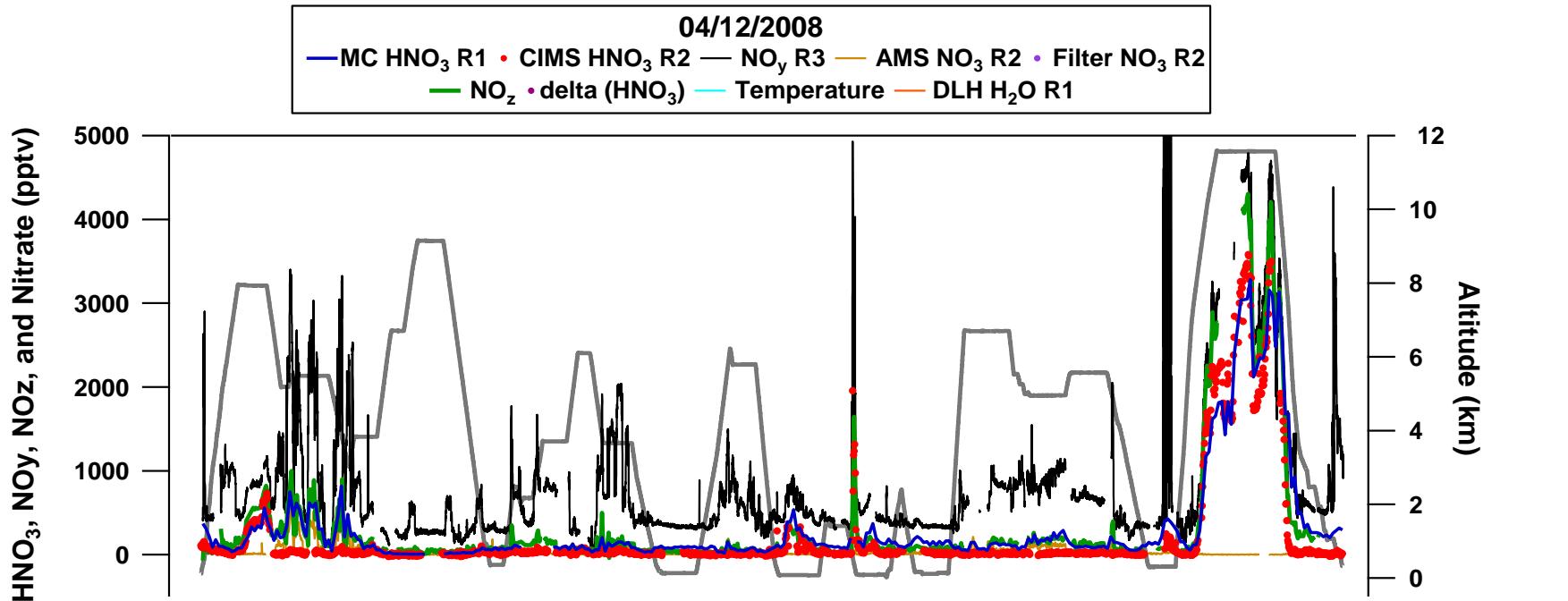


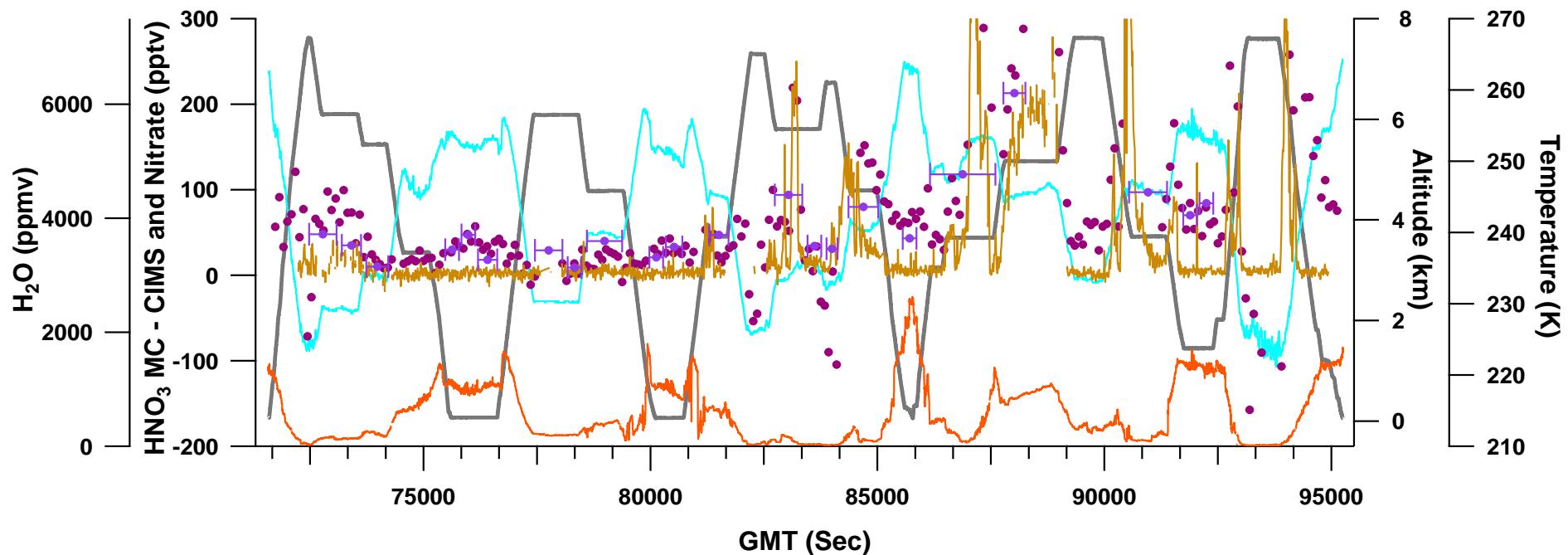
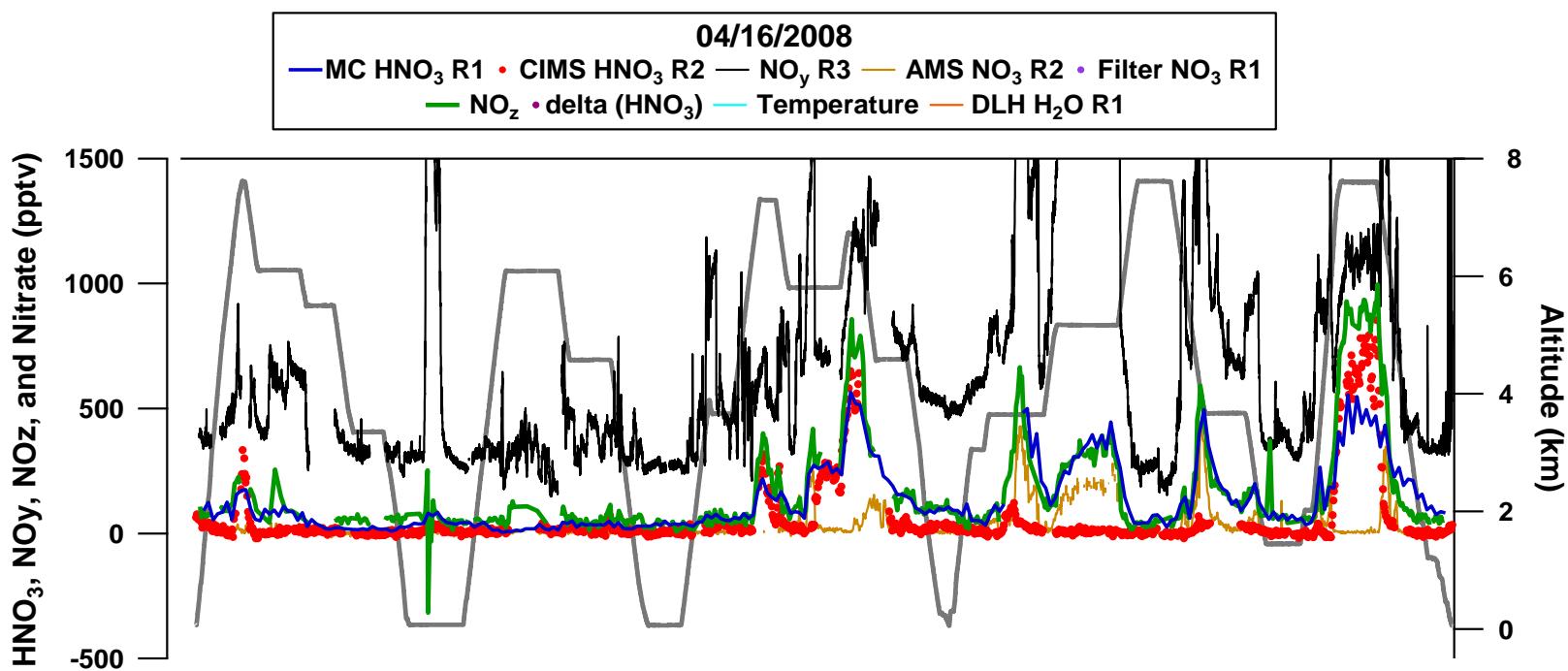


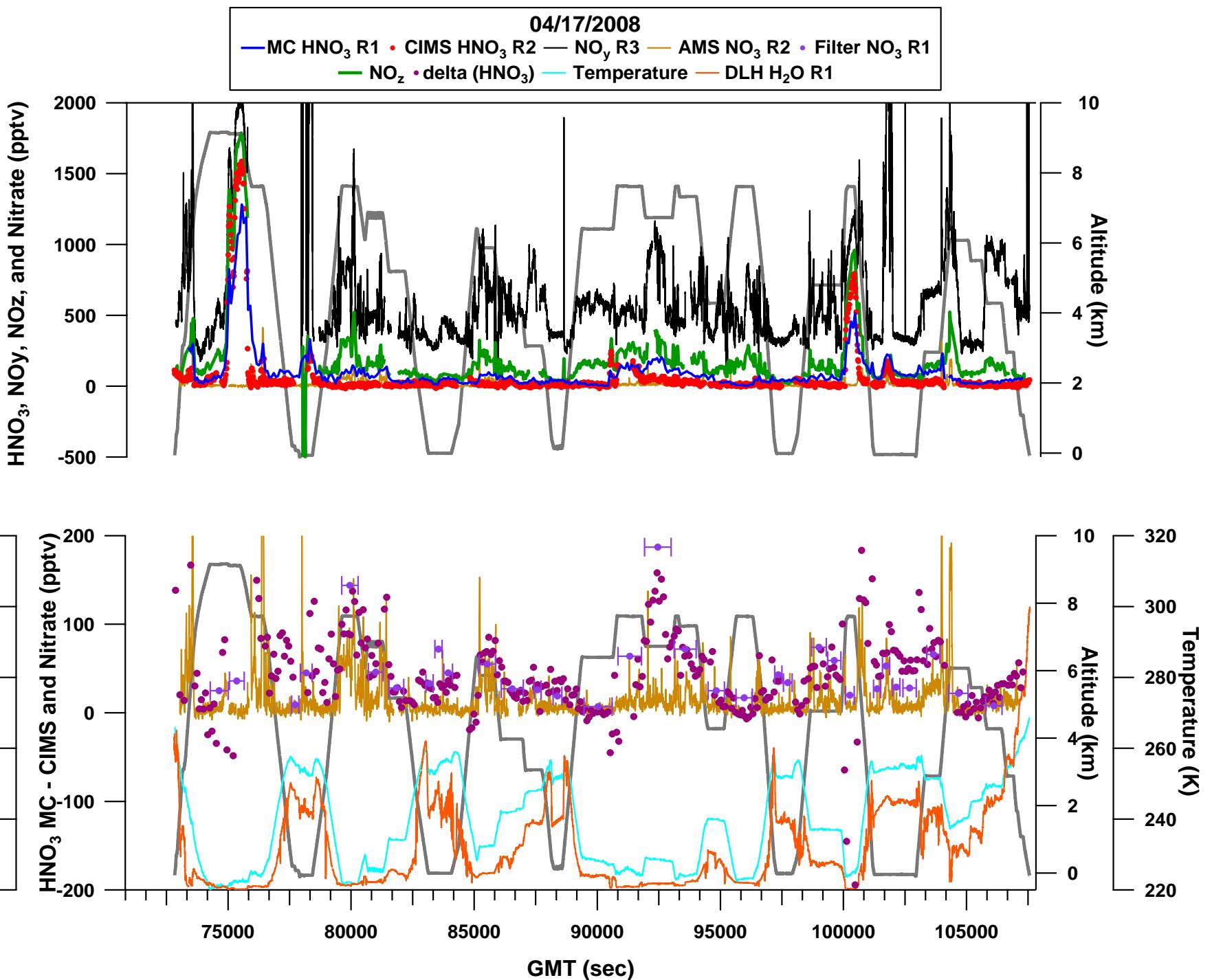


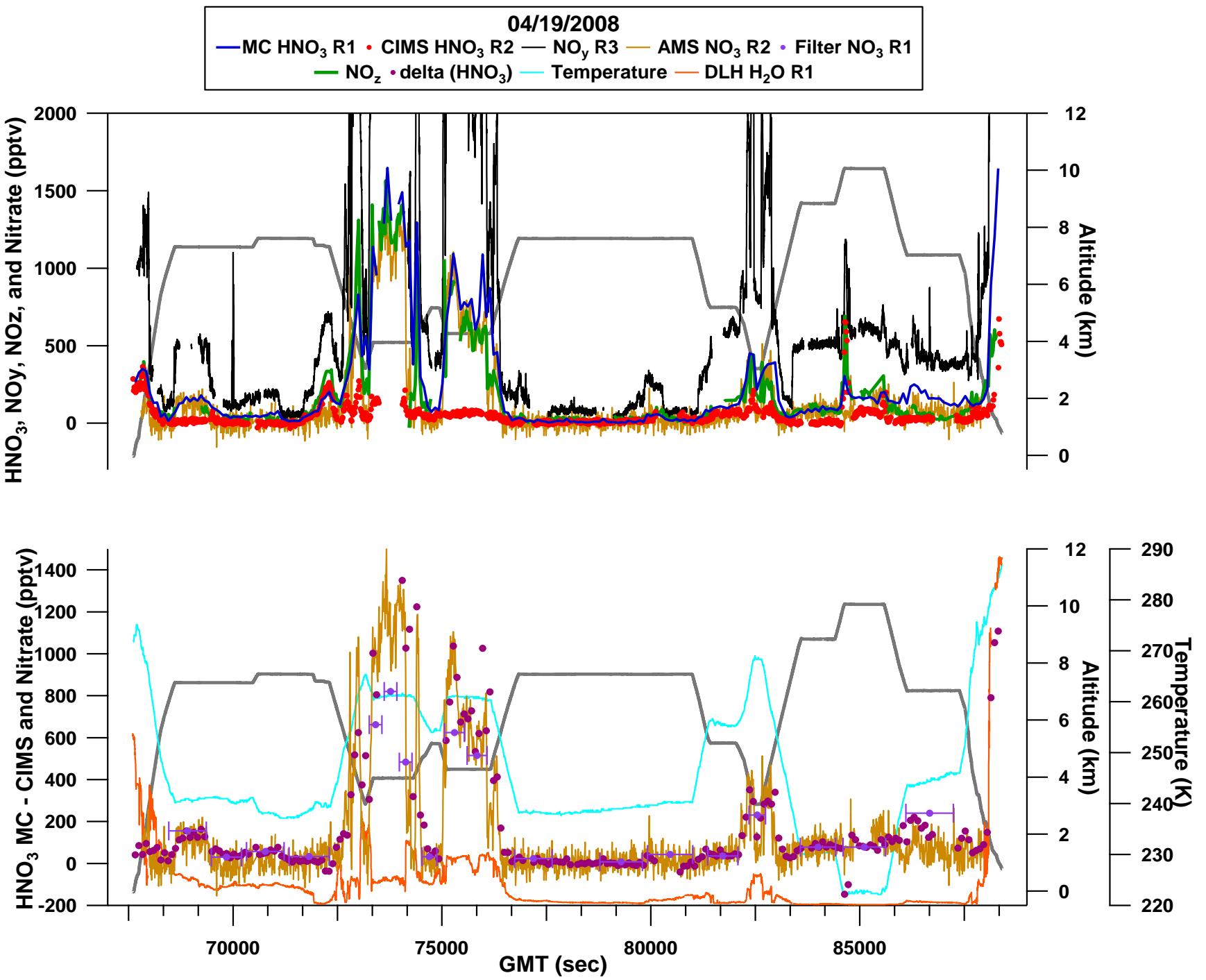


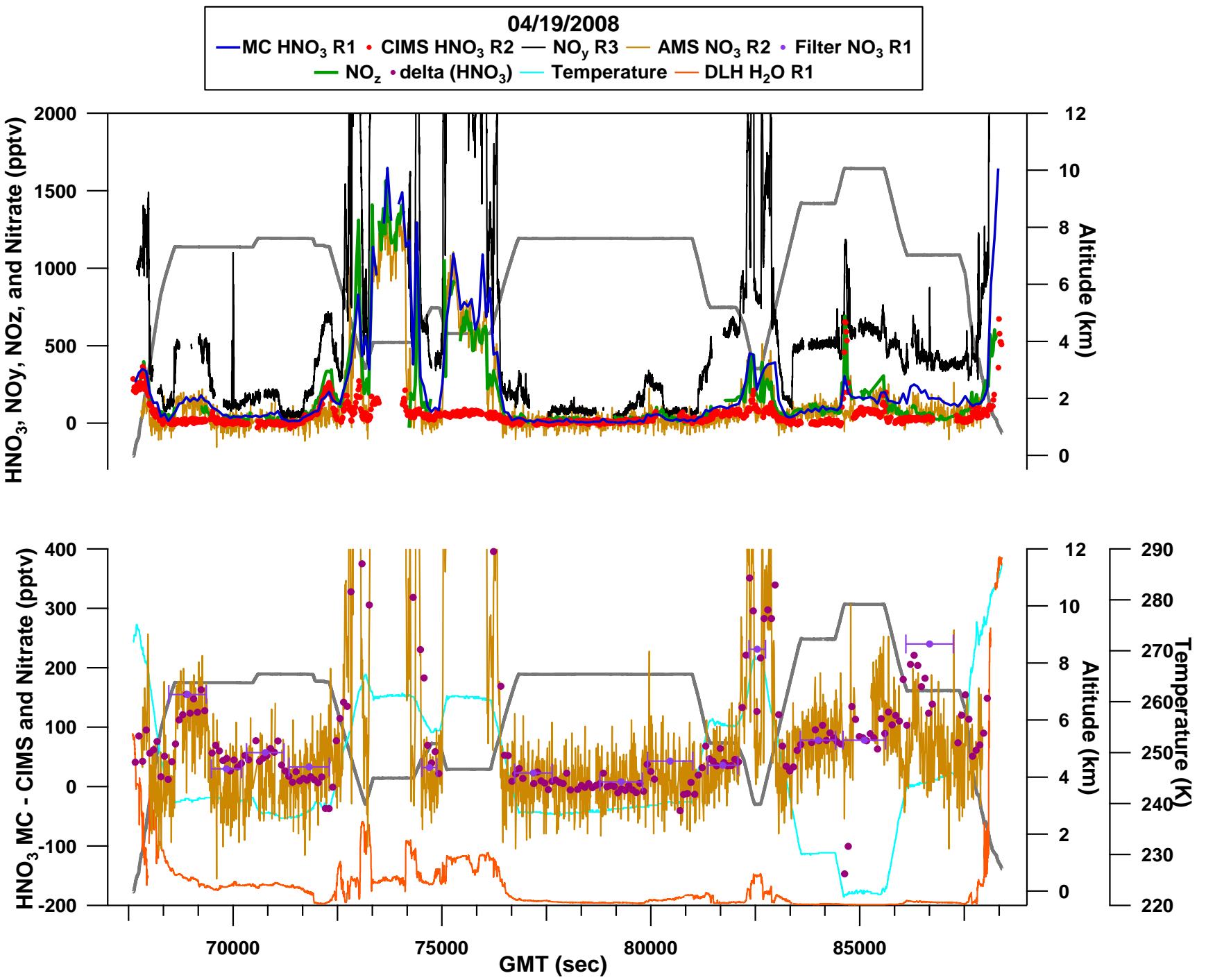


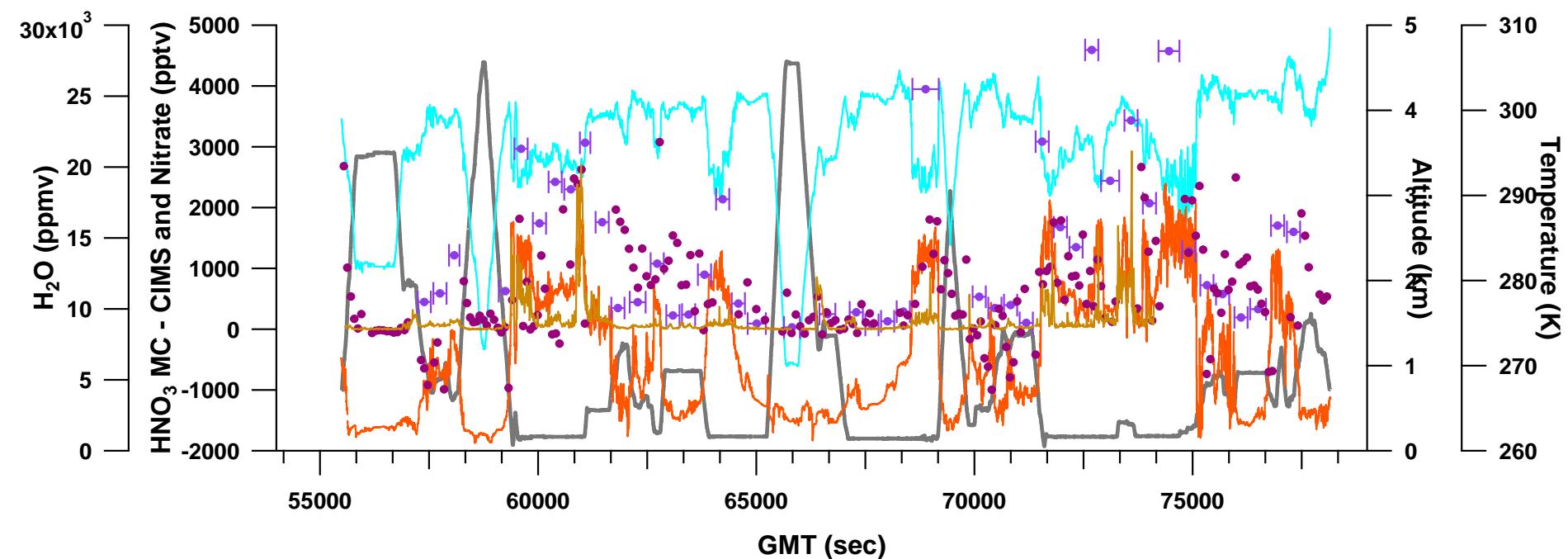
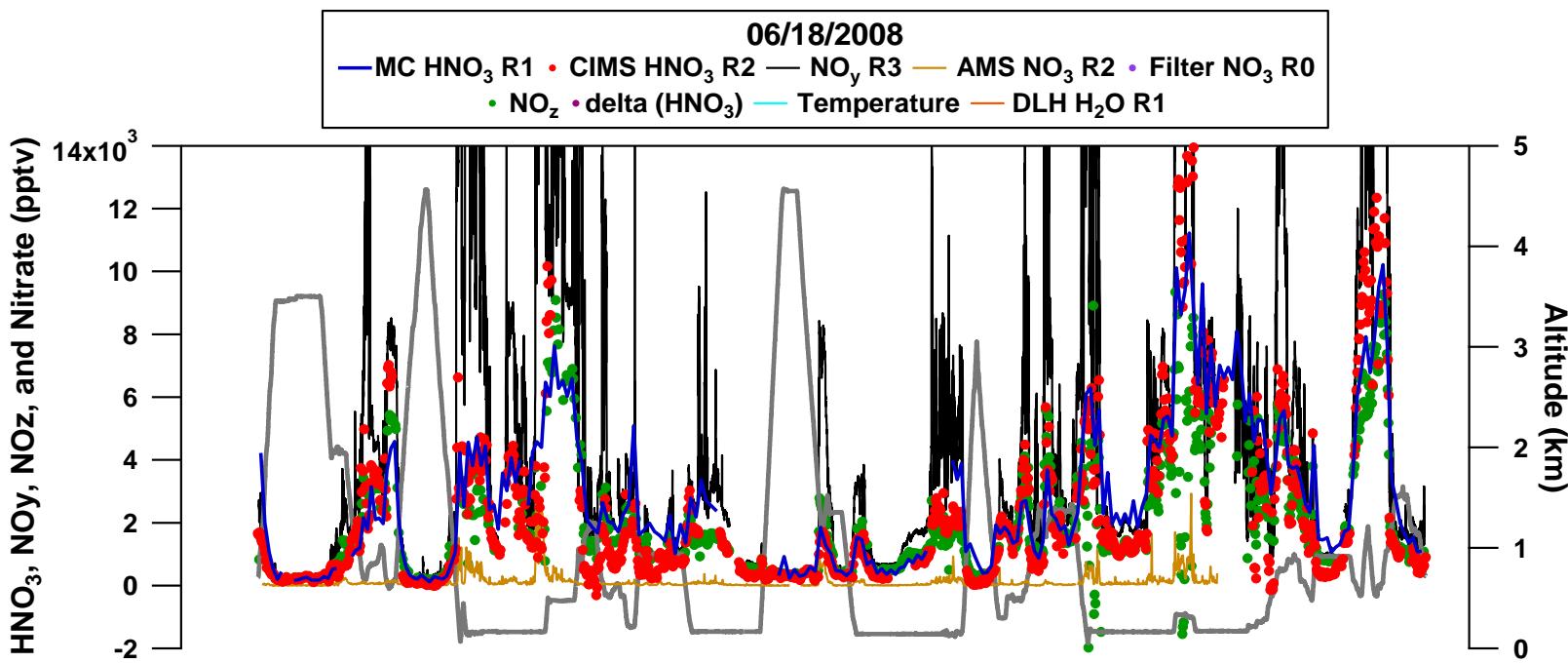


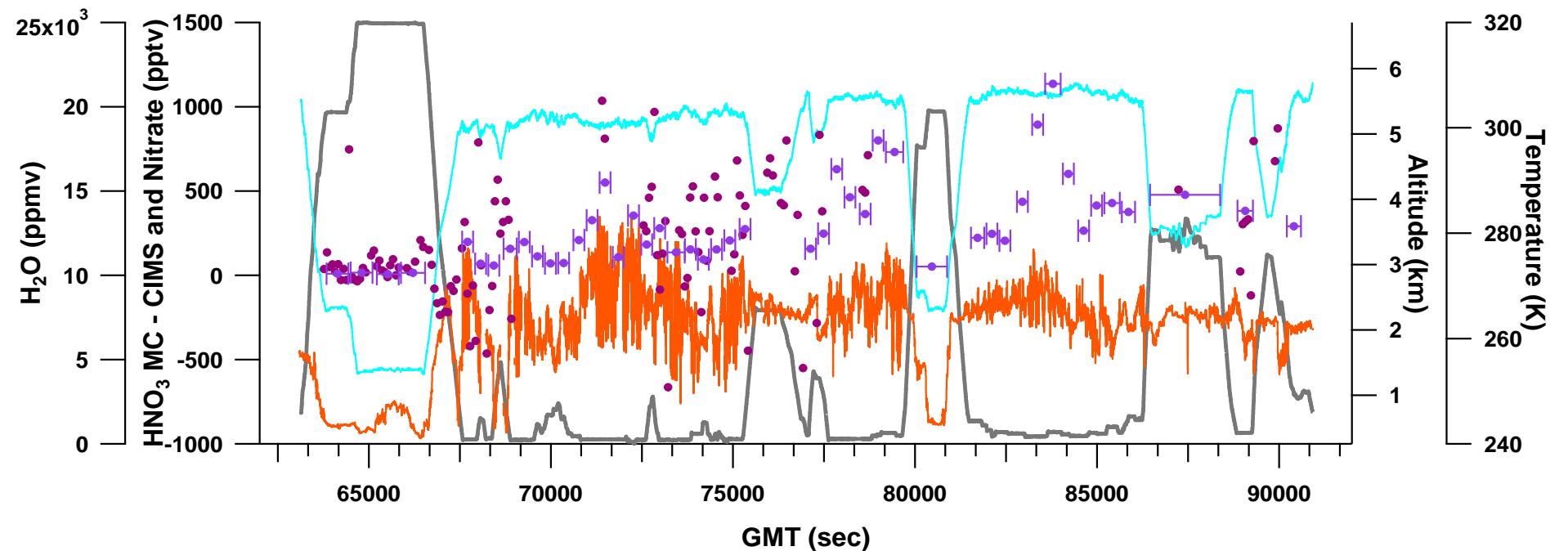
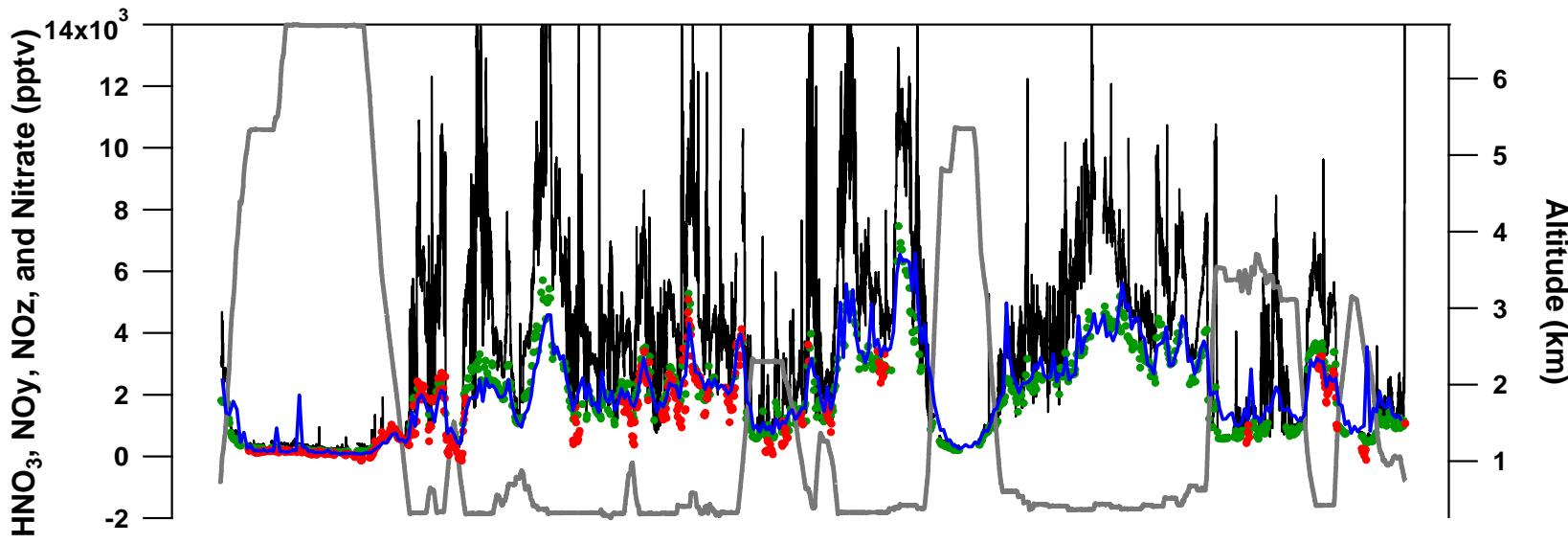
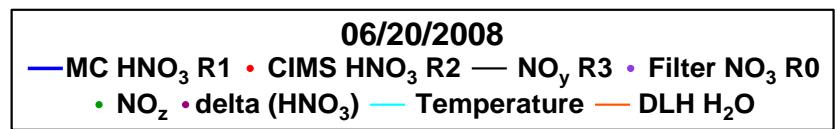


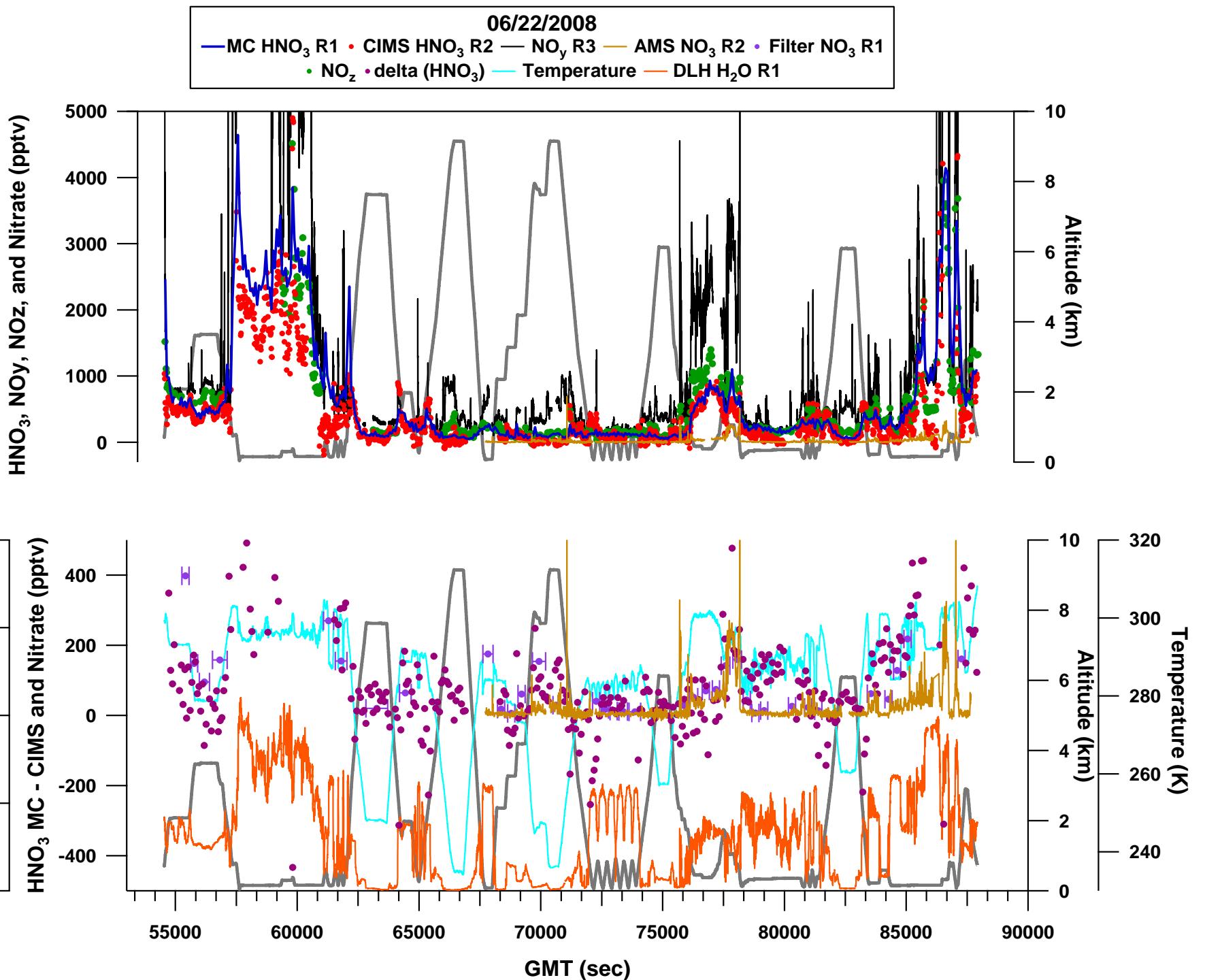


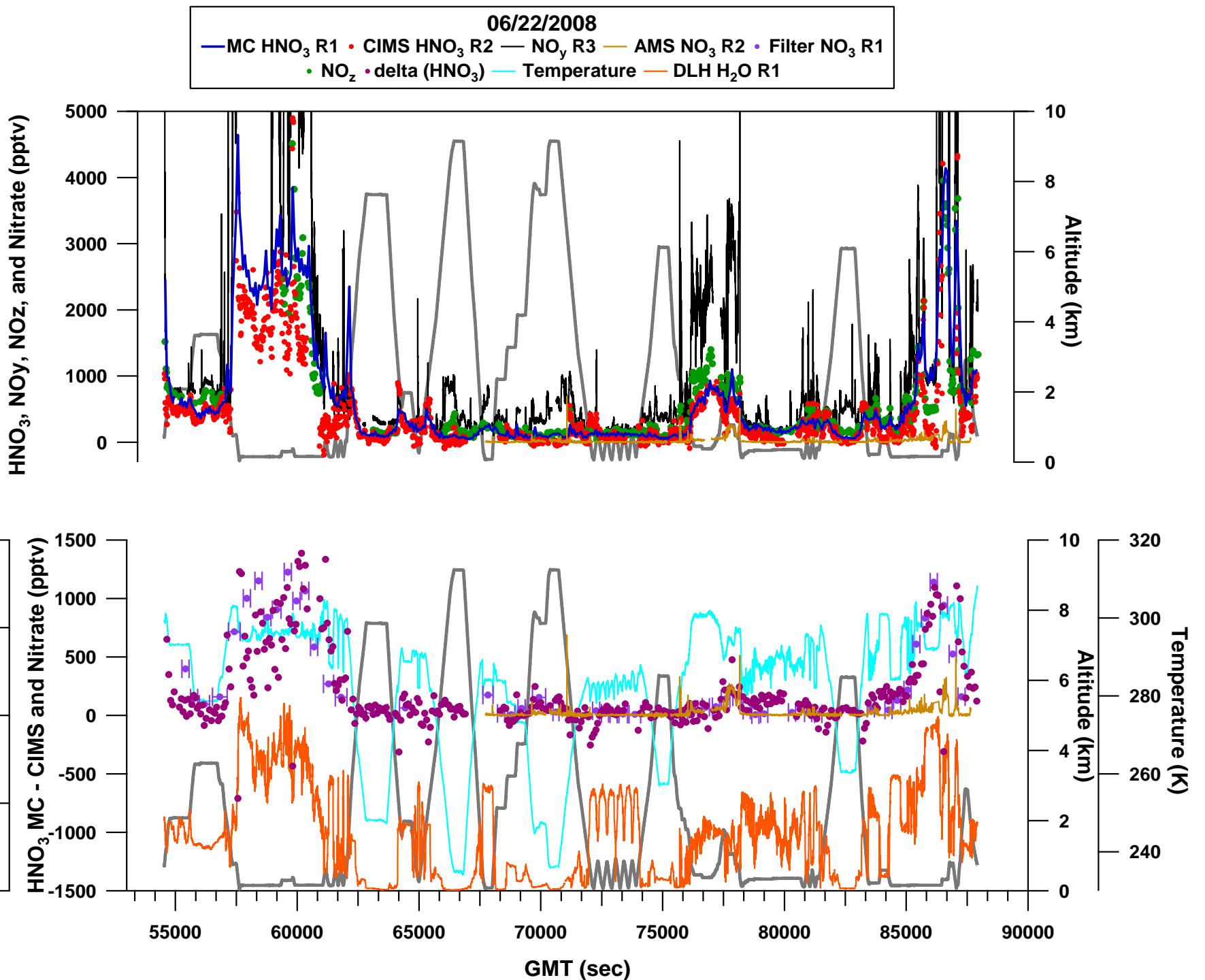


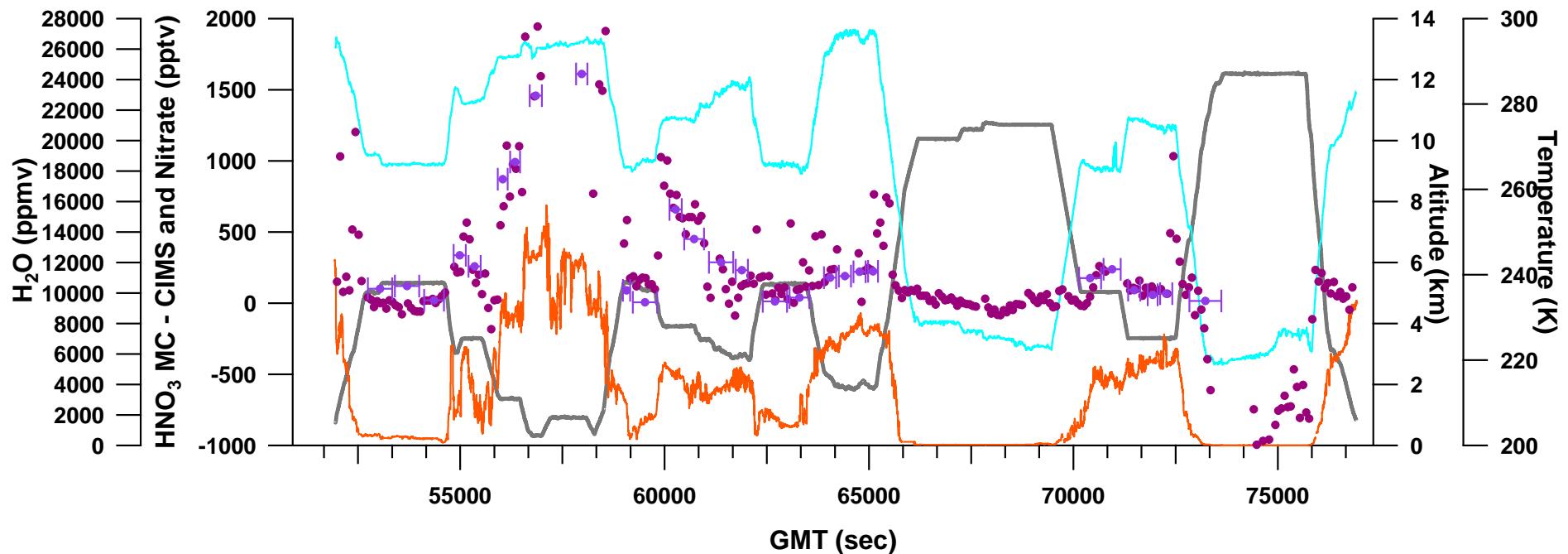
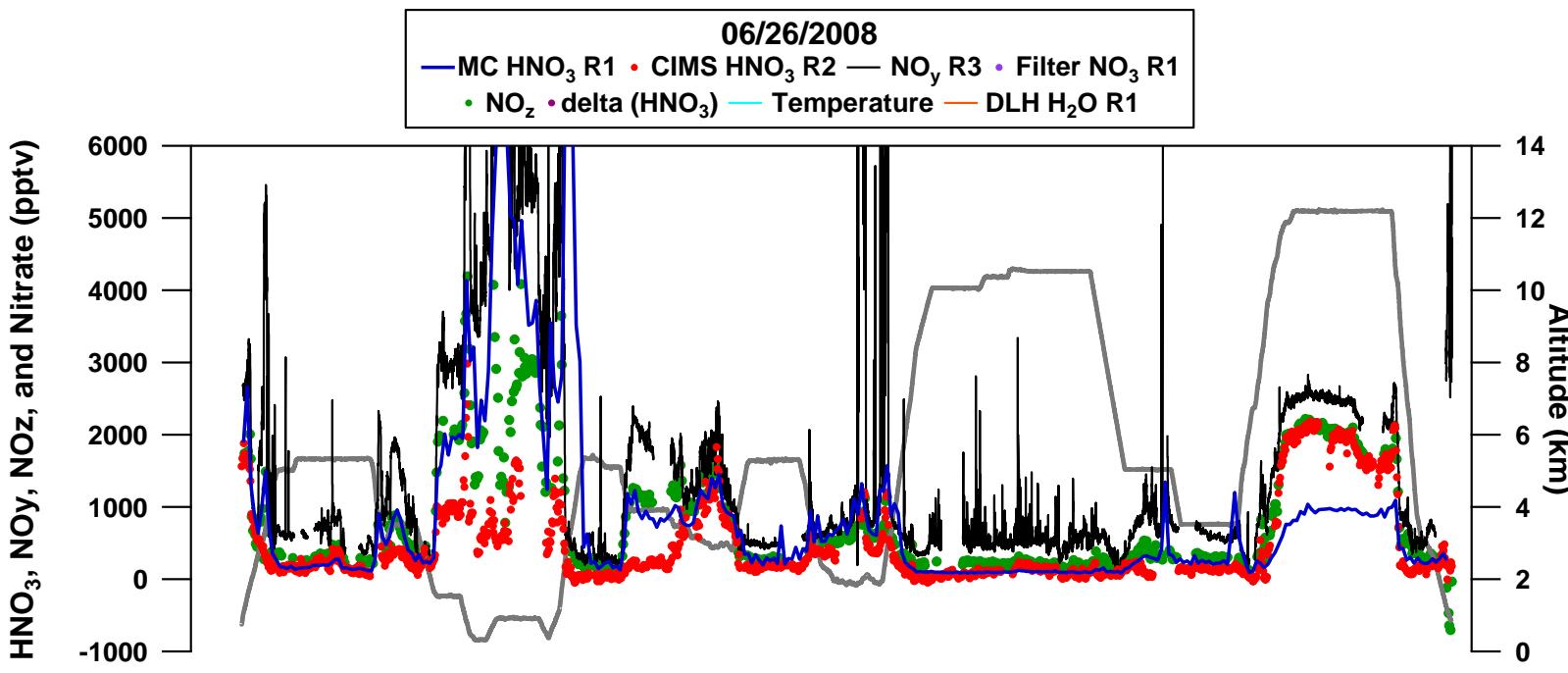






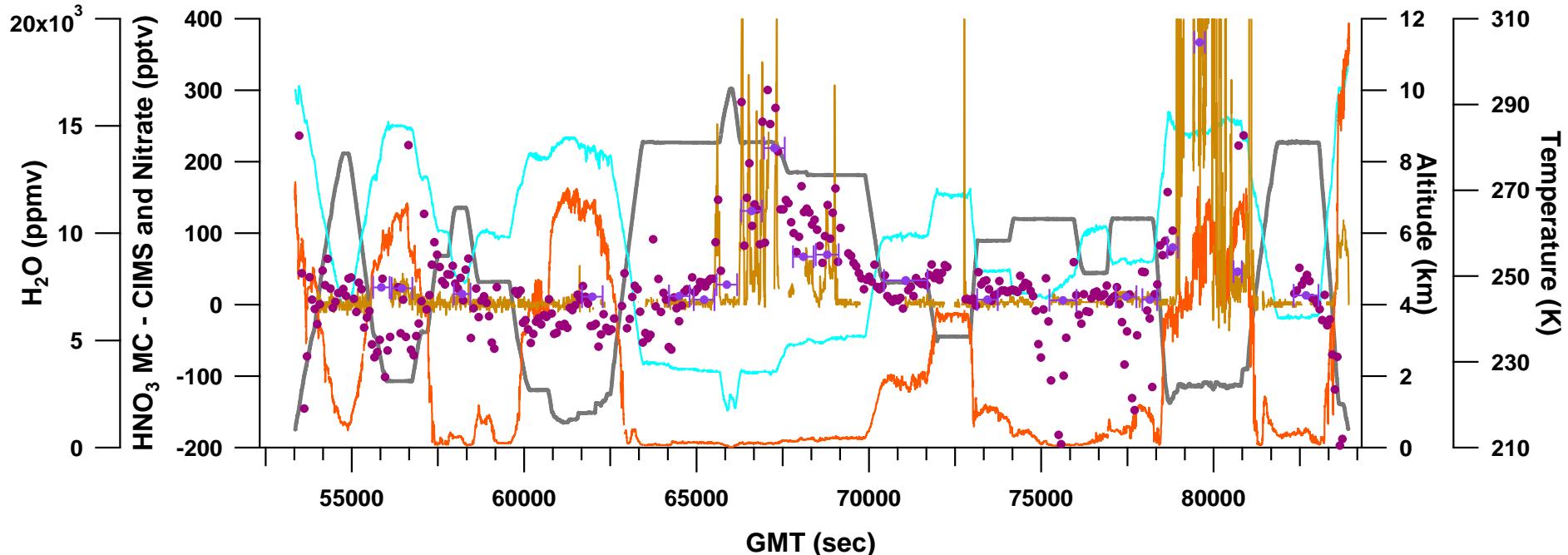
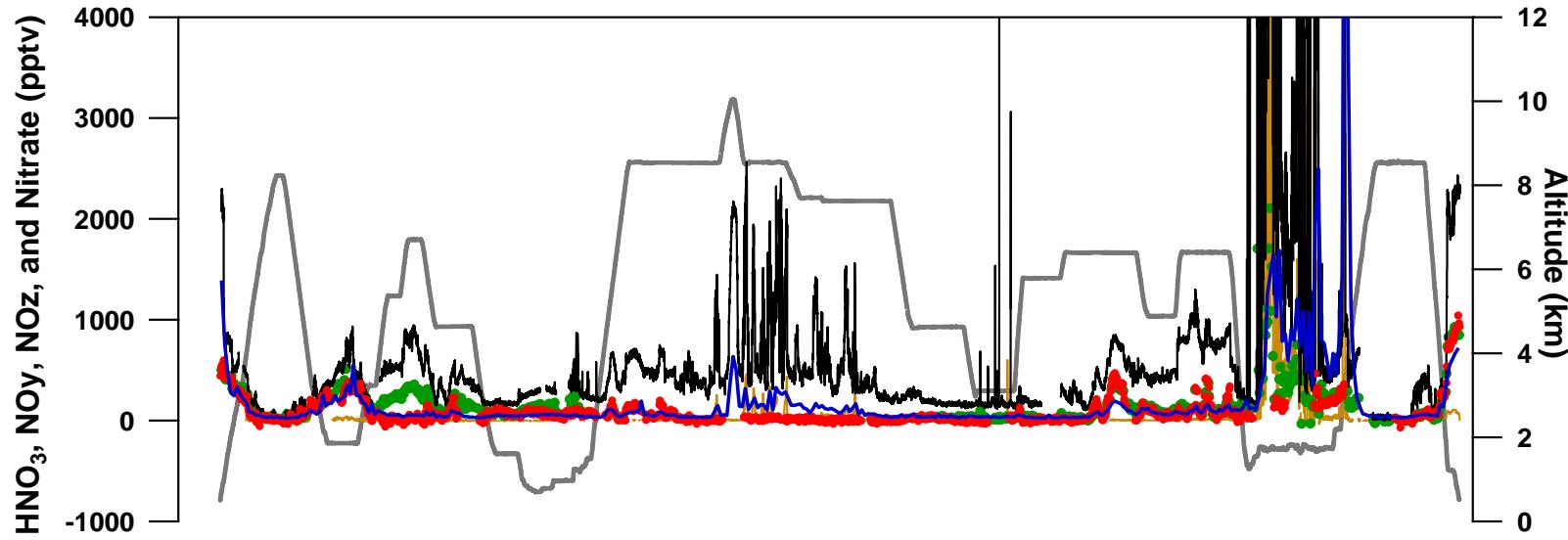


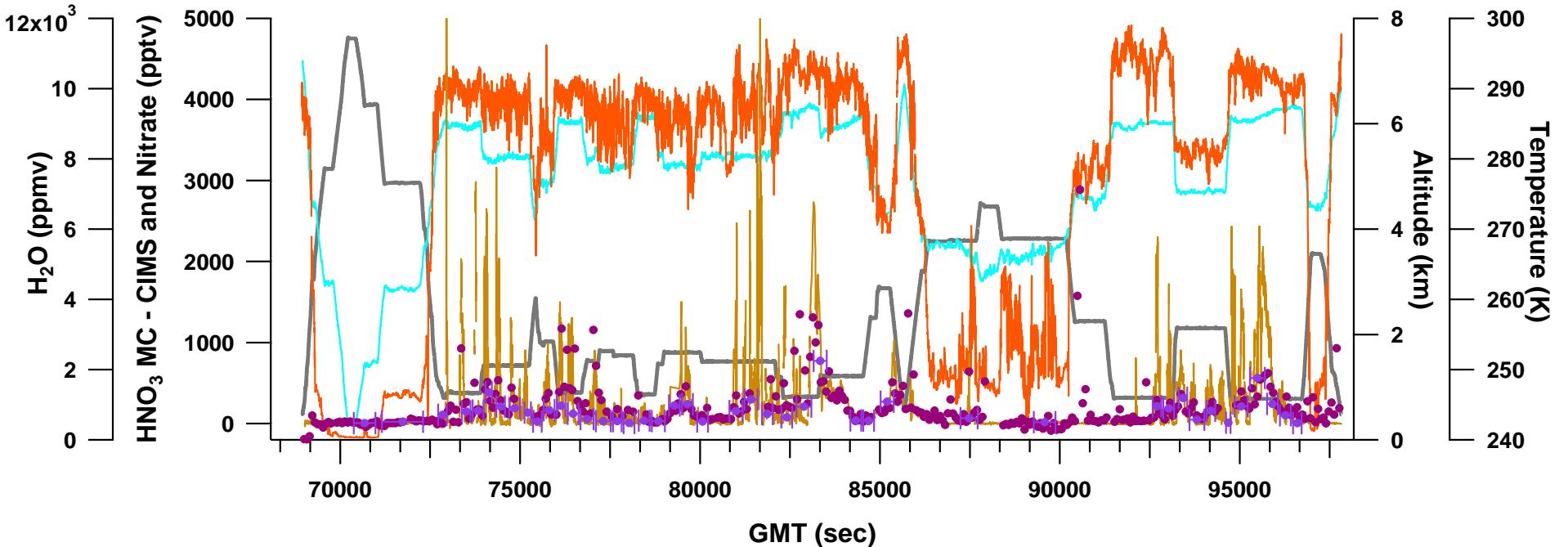
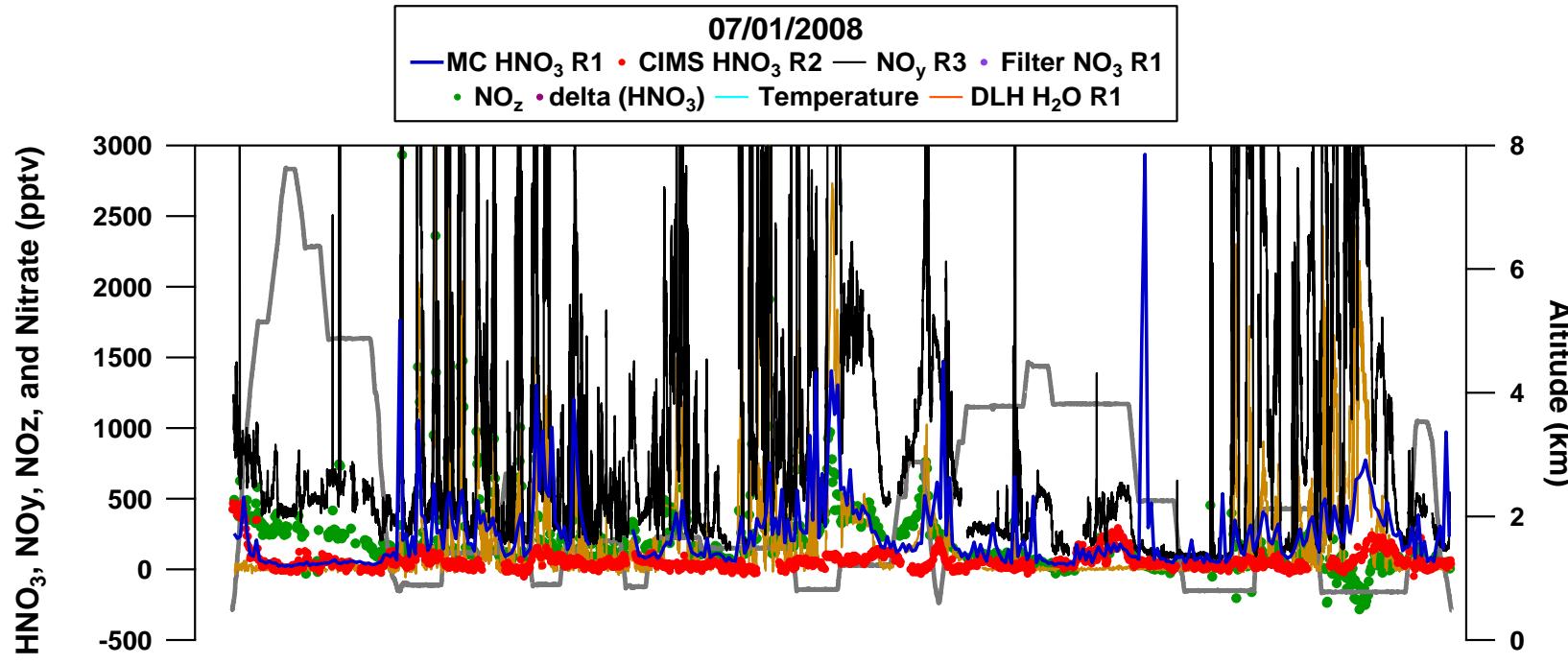


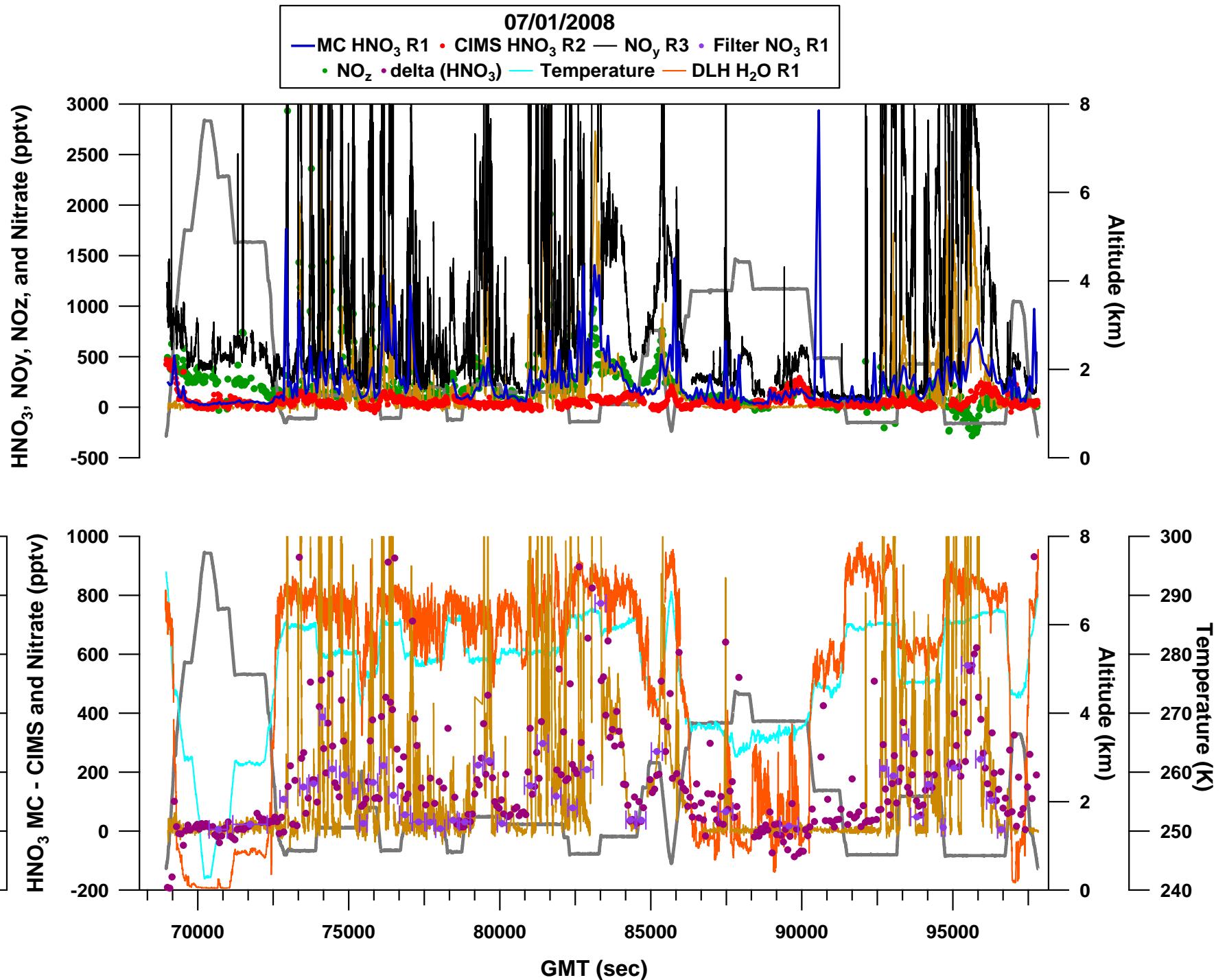


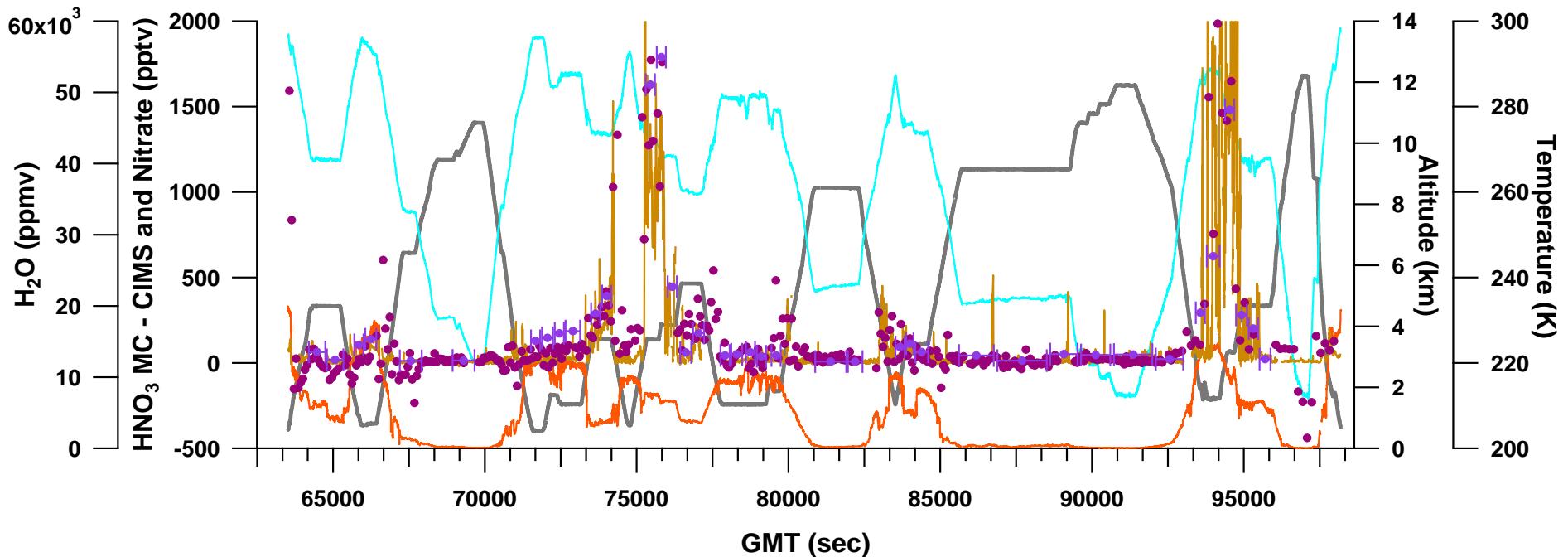
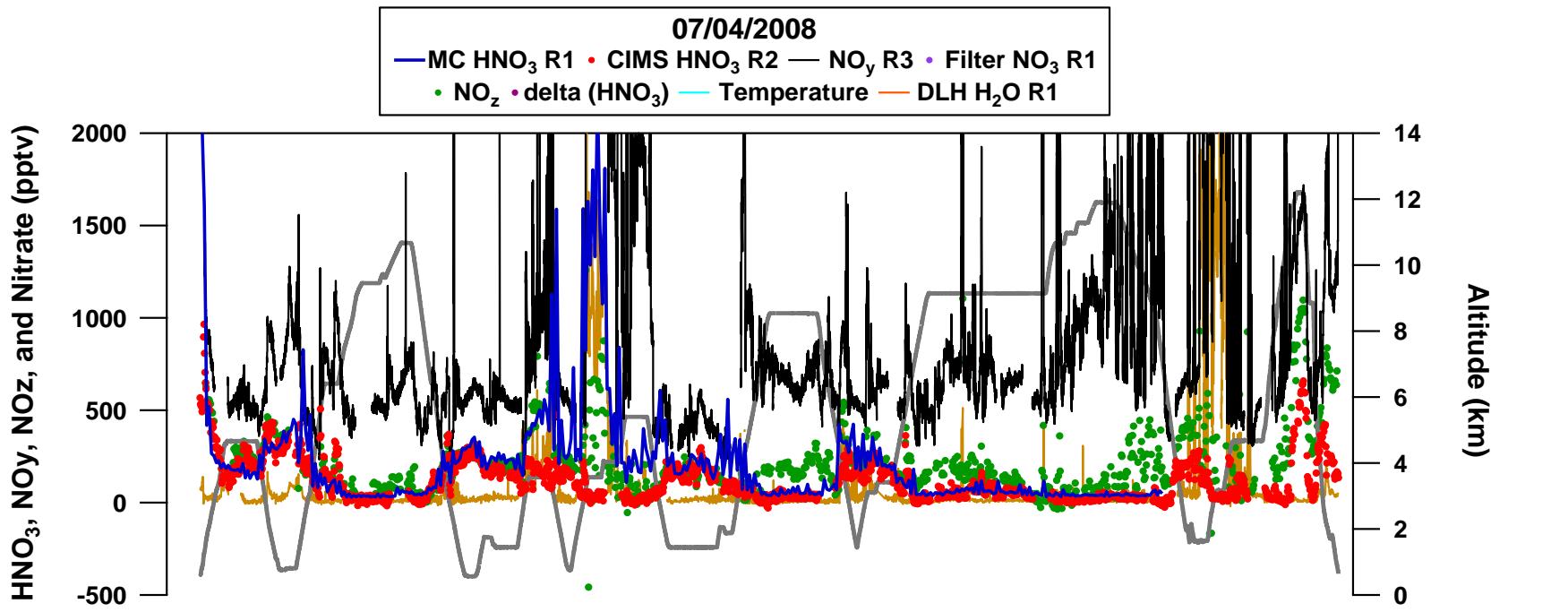
06/29/2008

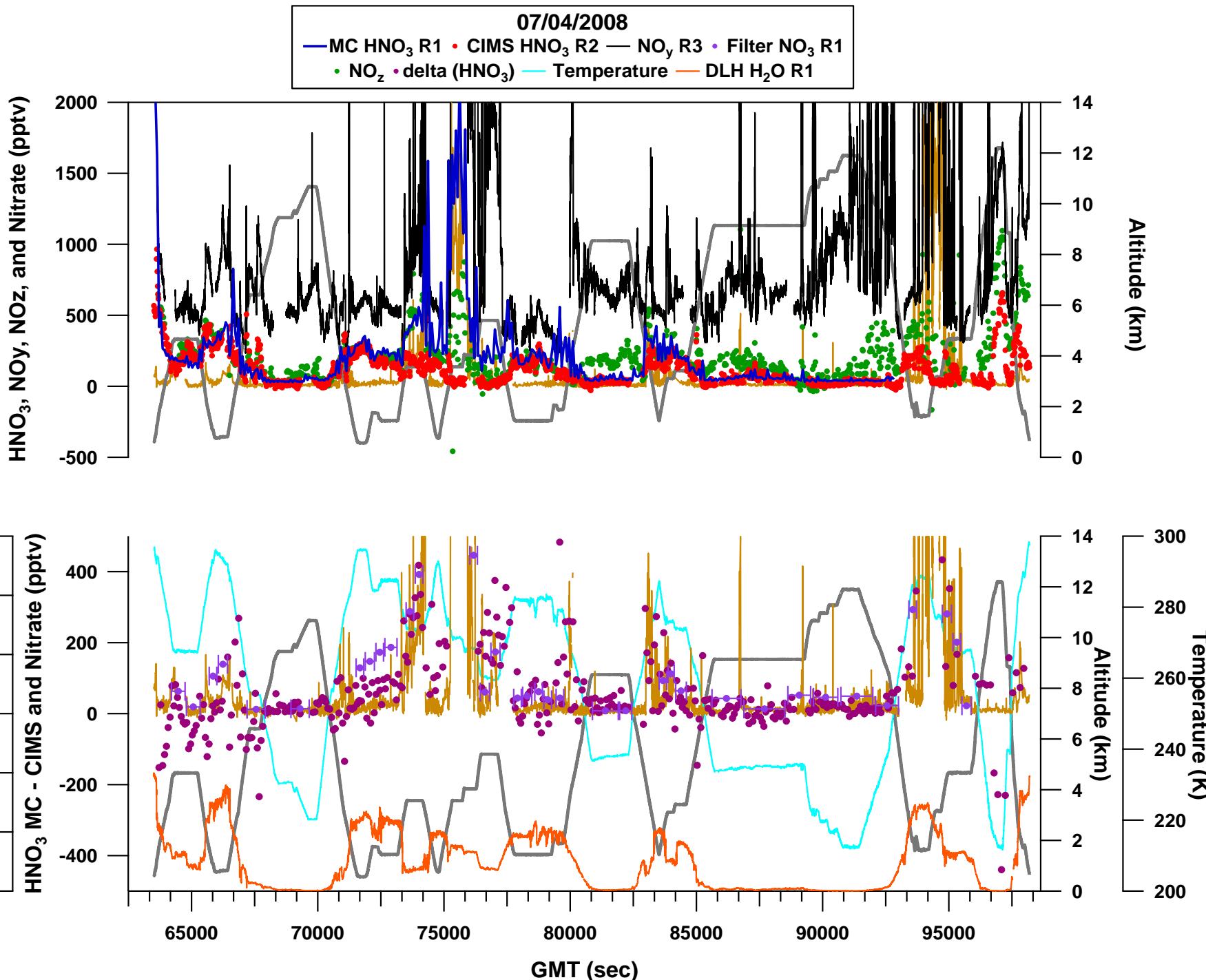
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 • NO_z • delta (HNO₃) — Temperature — DLH H₂O R1

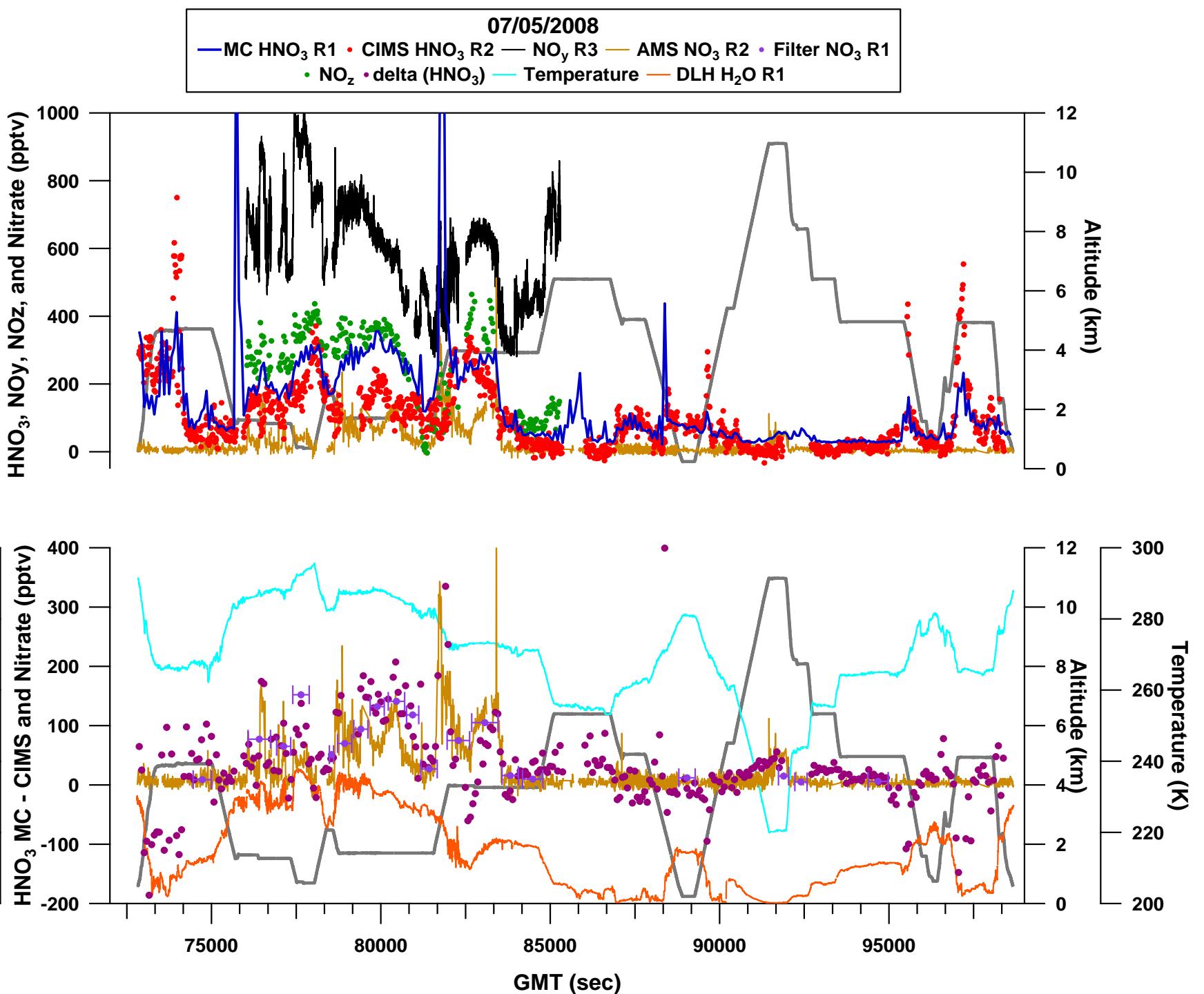


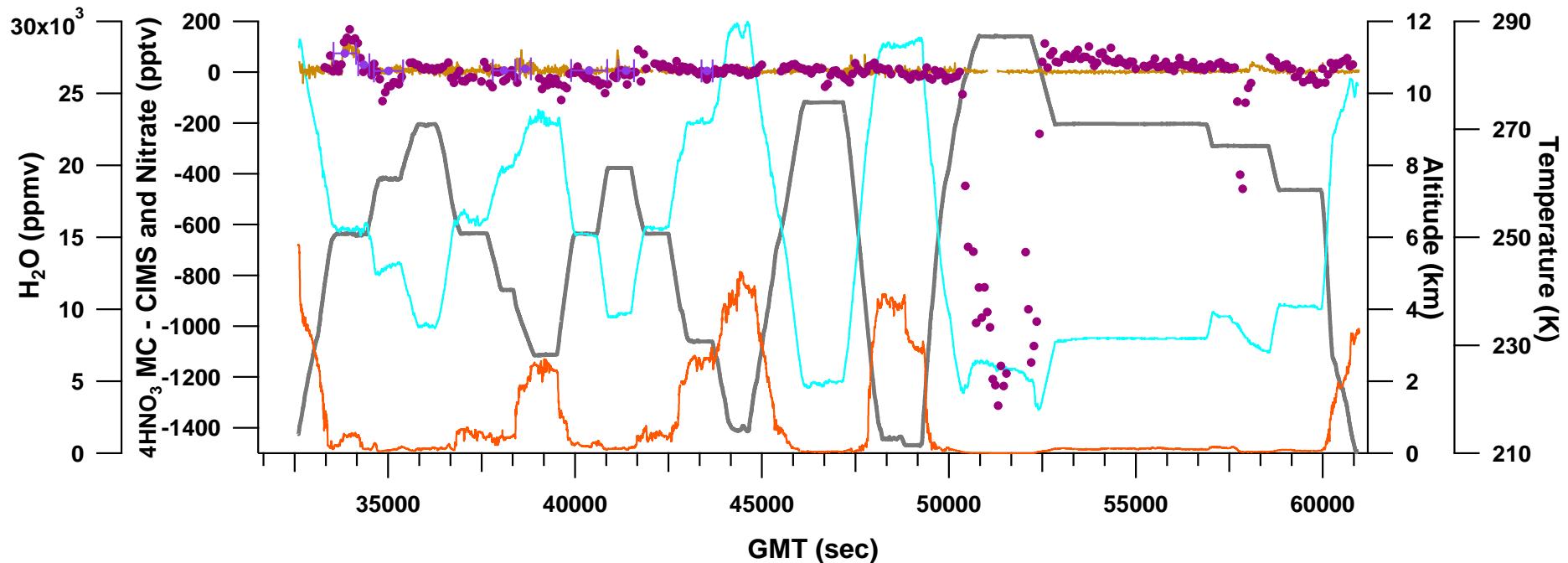
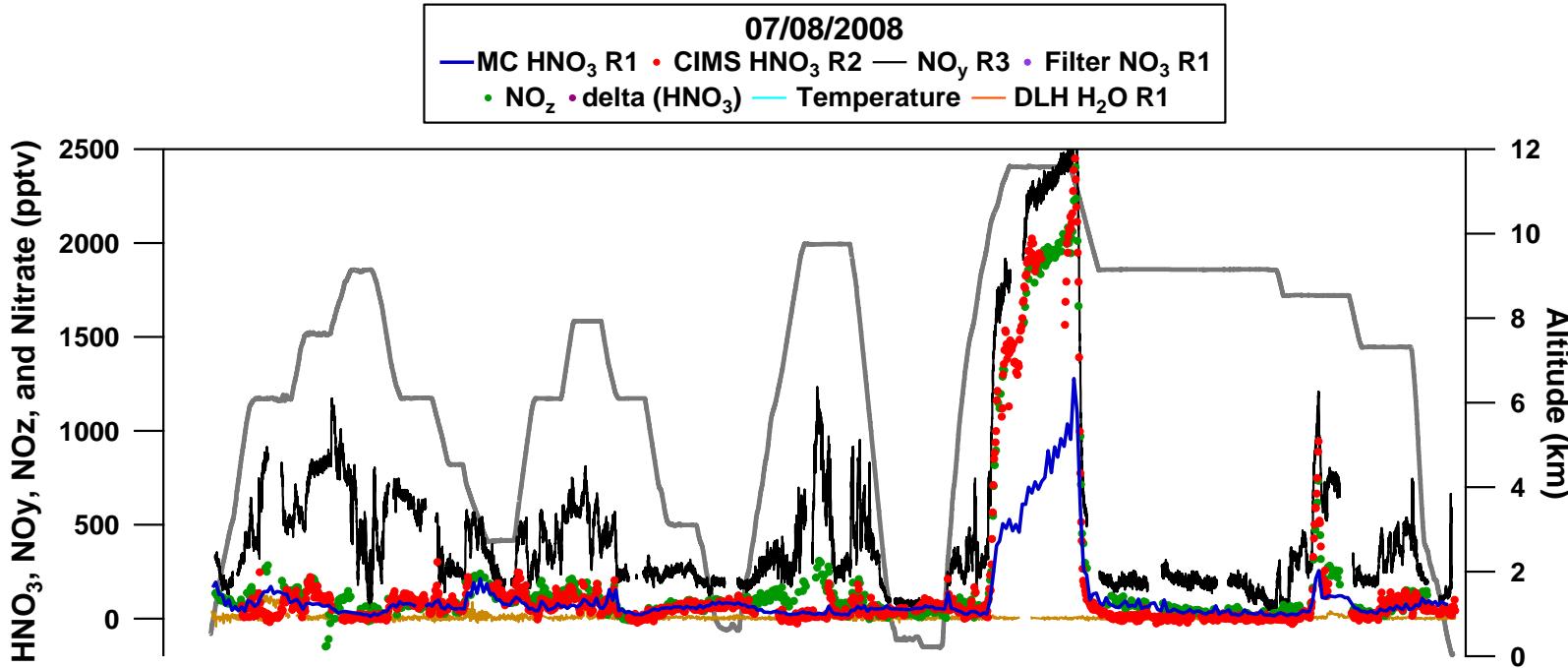


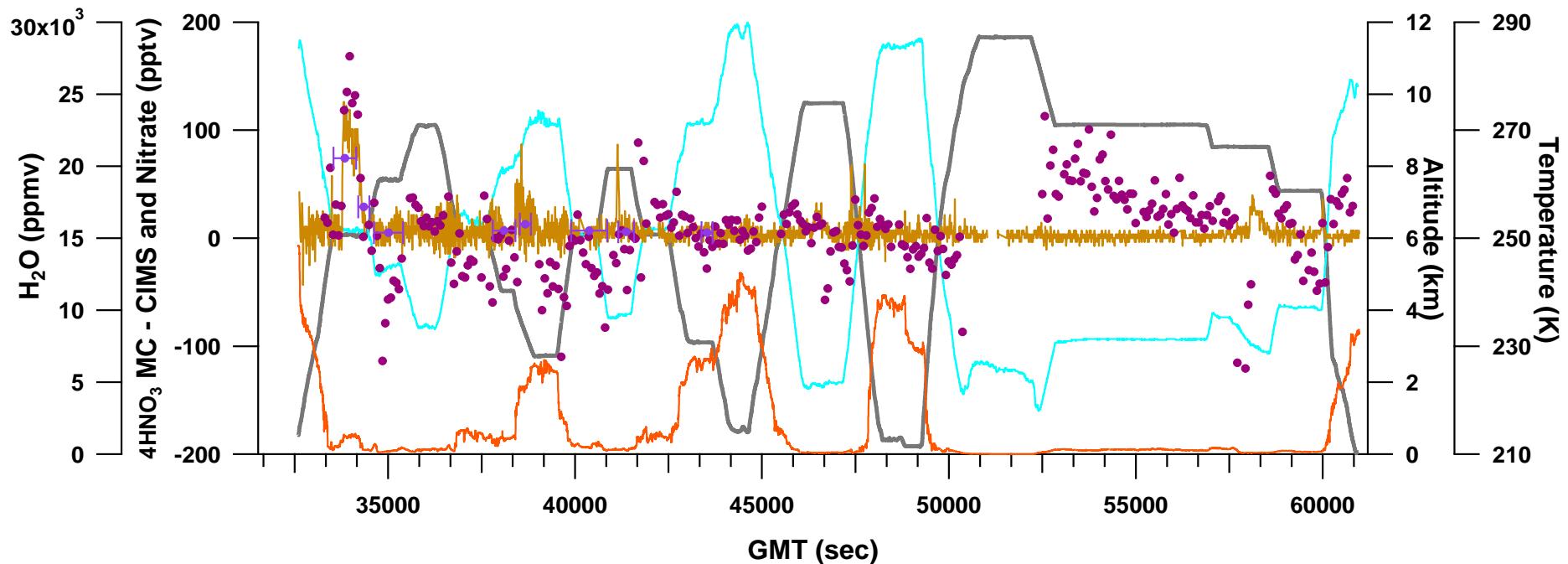
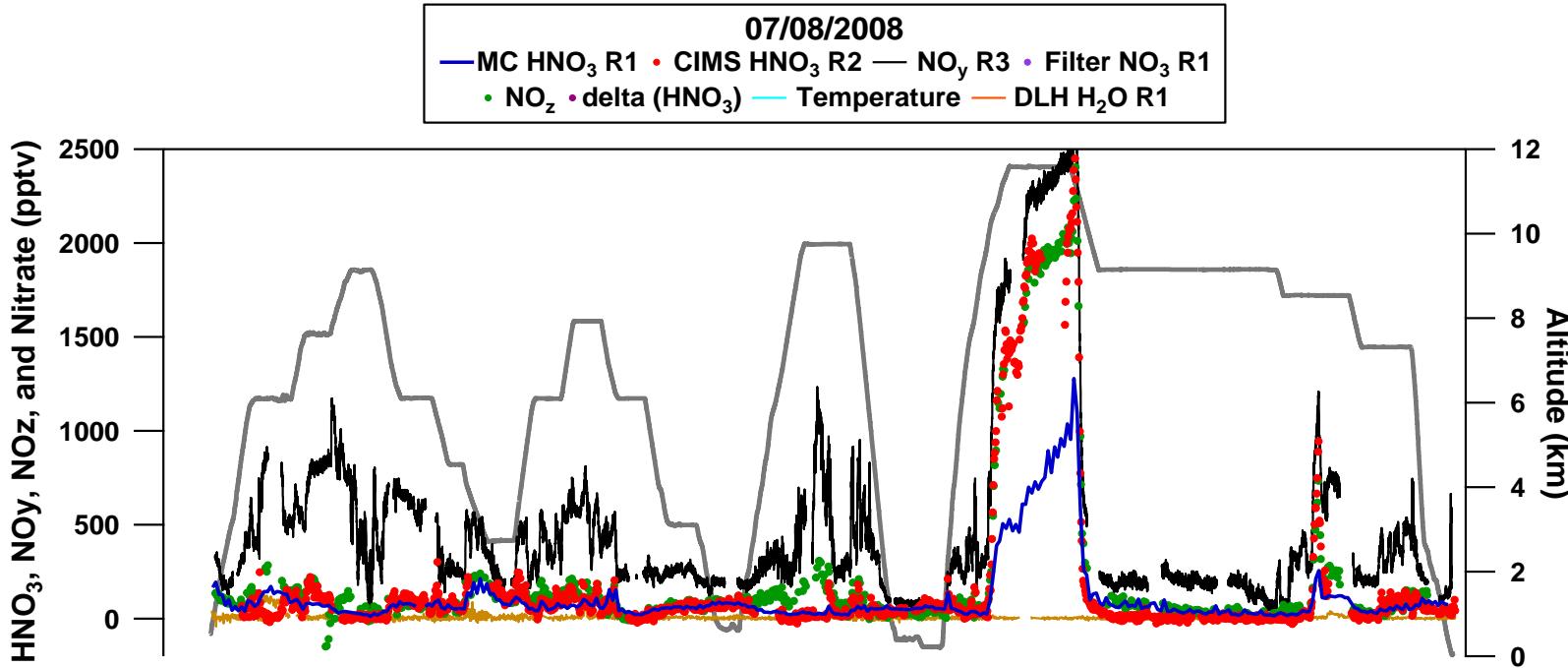






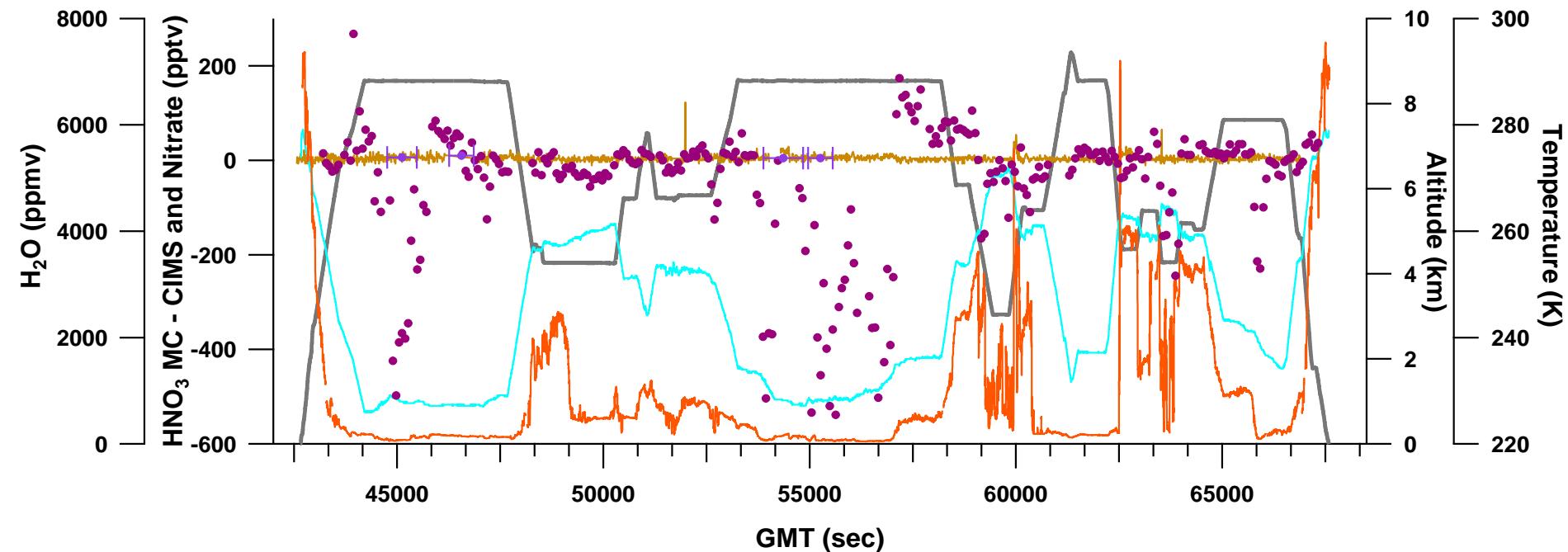
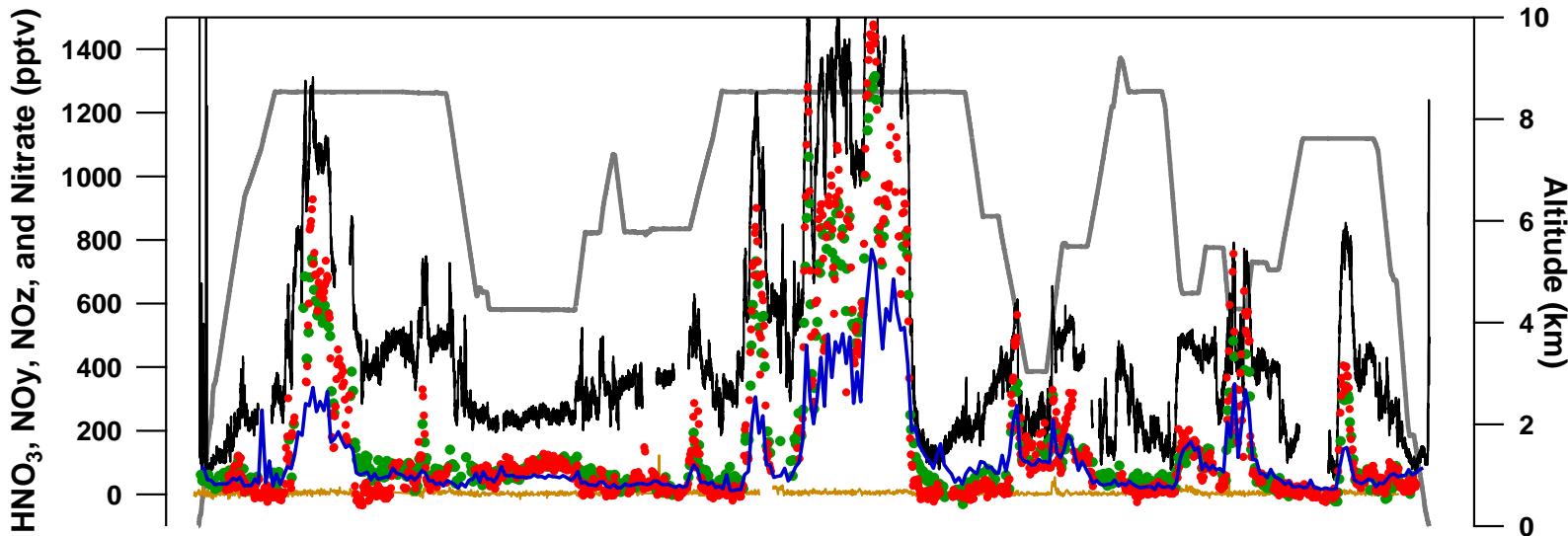






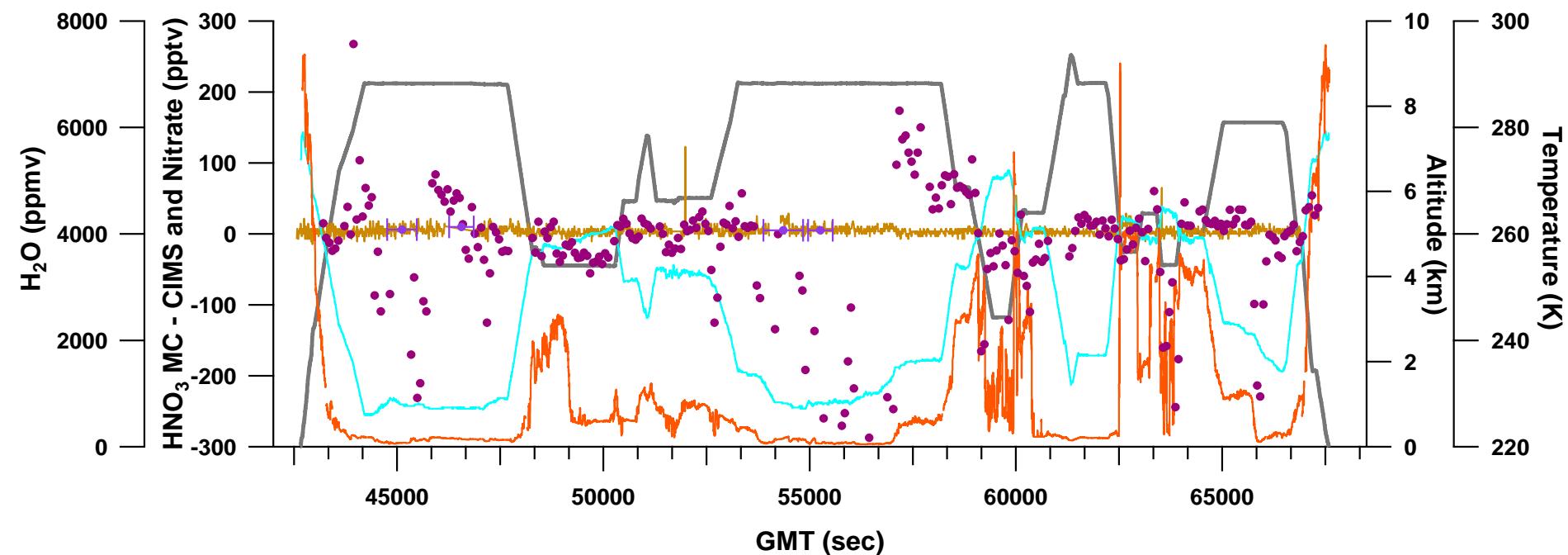
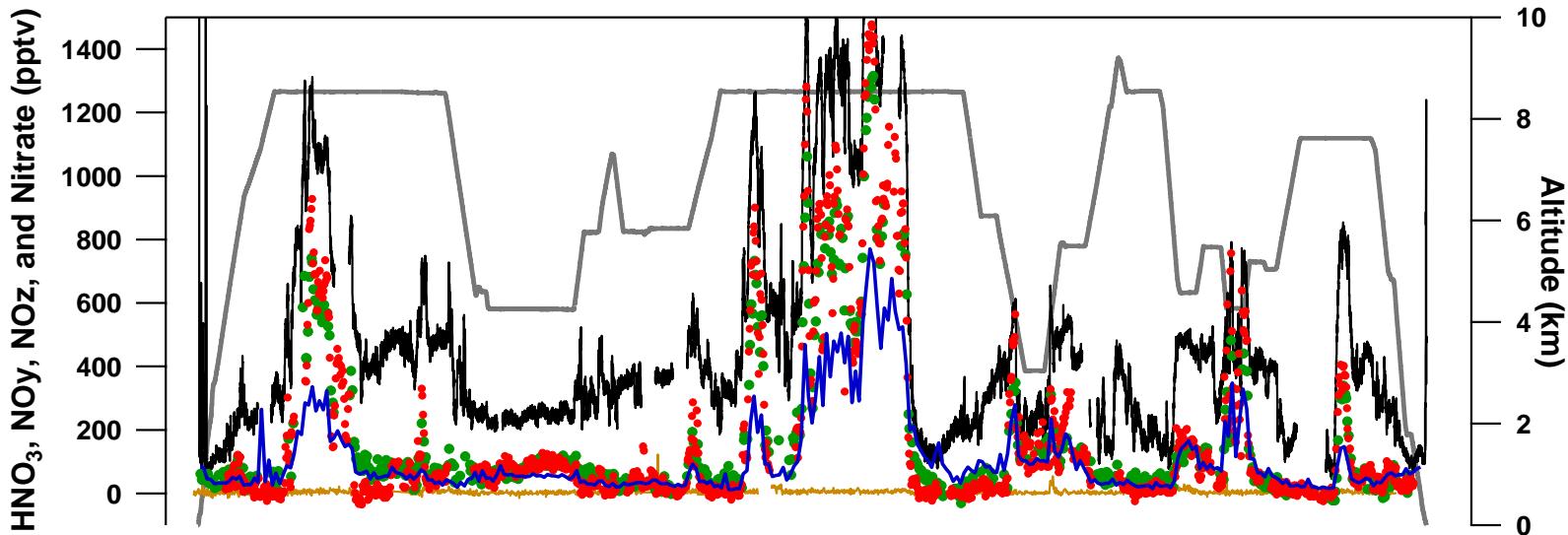
07/09/2008

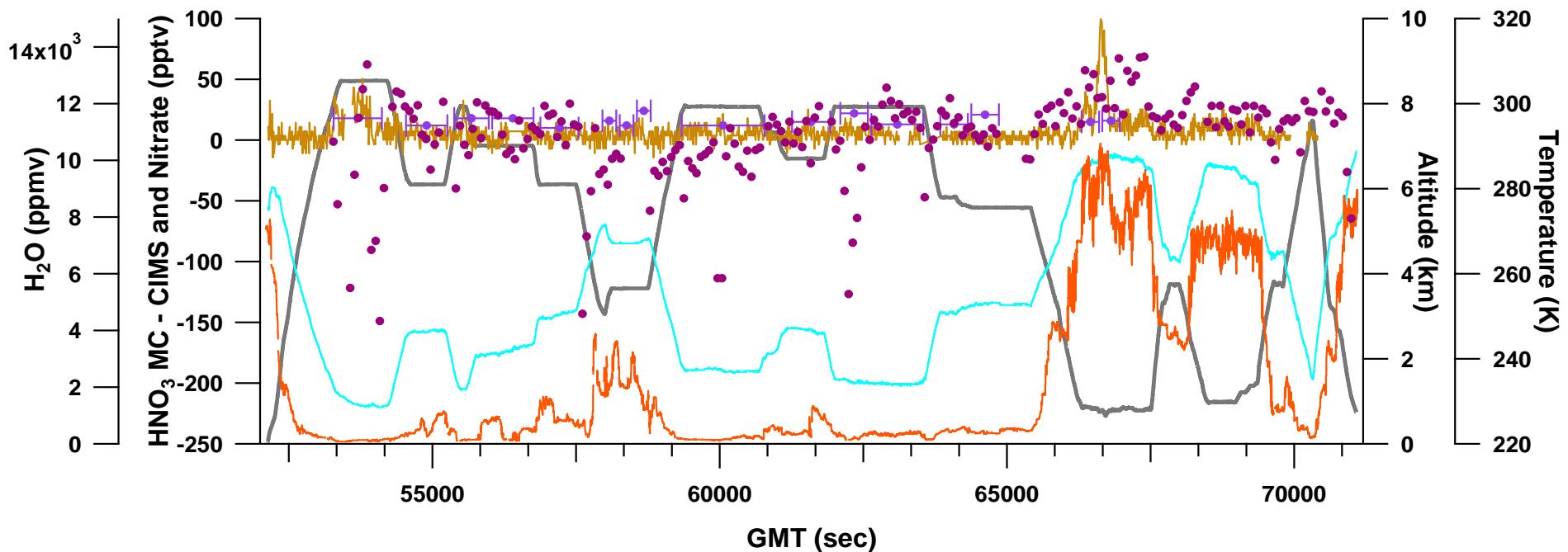
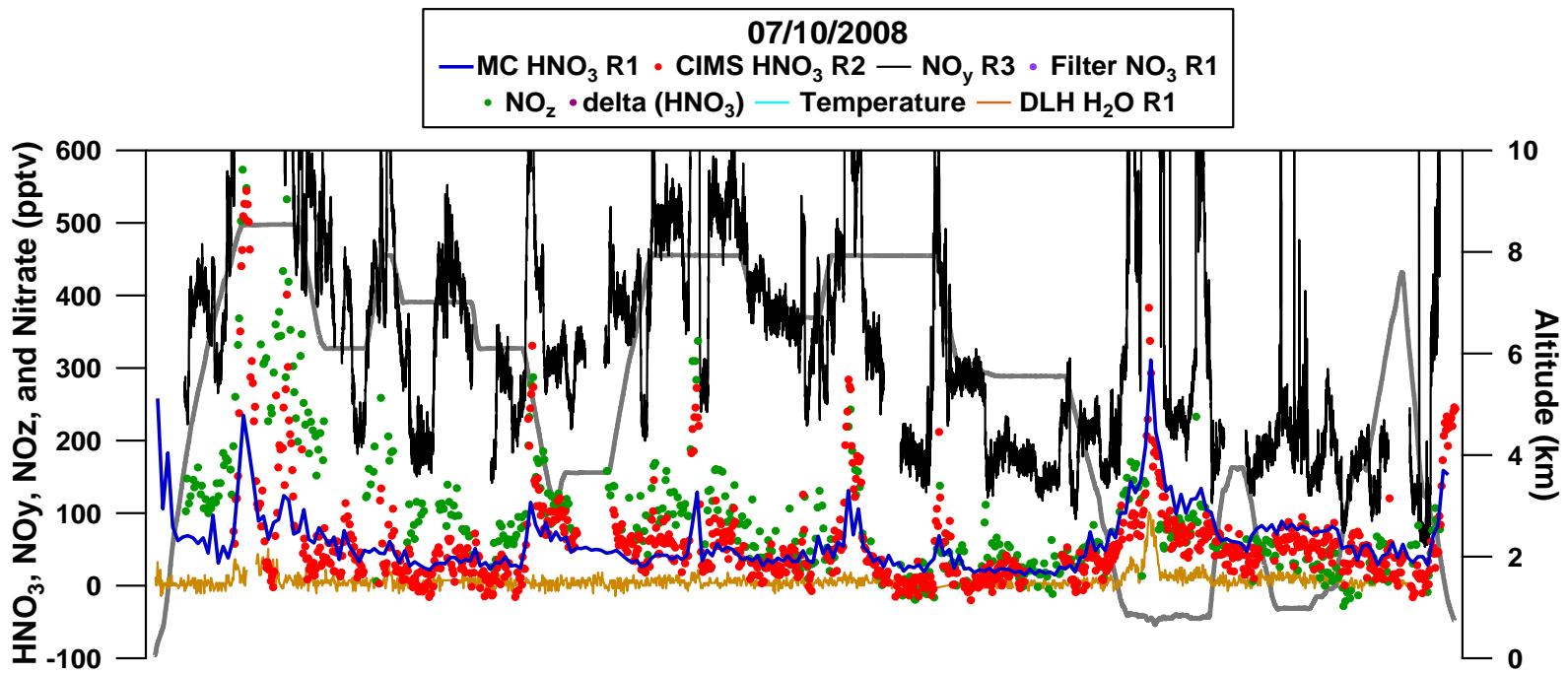
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 • NO_z • delta (HNO₃) — Temperature — DLH H₂O R1

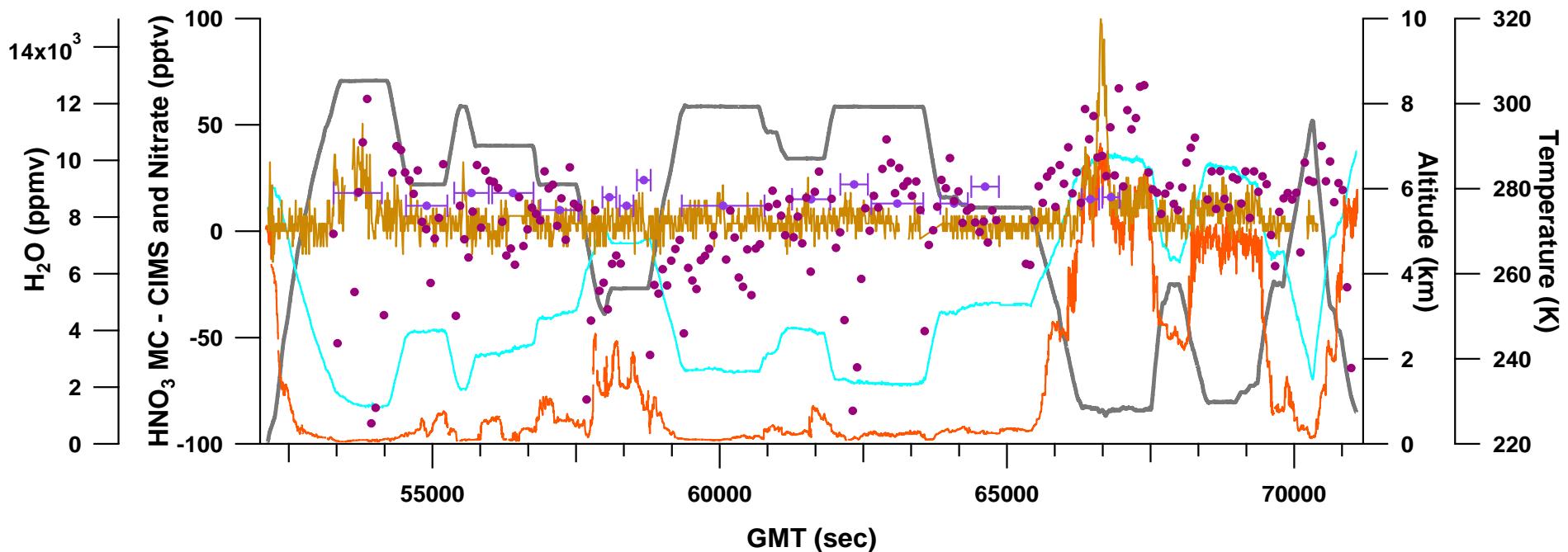
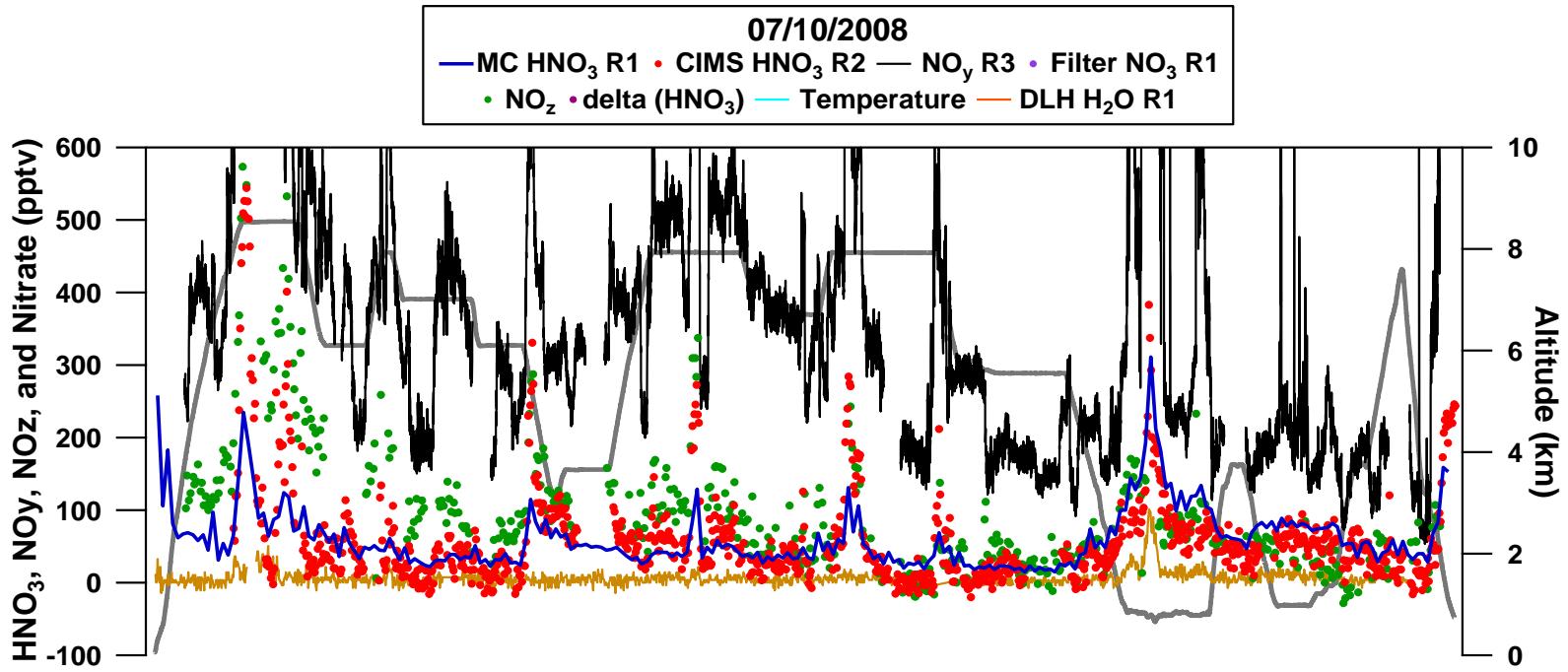


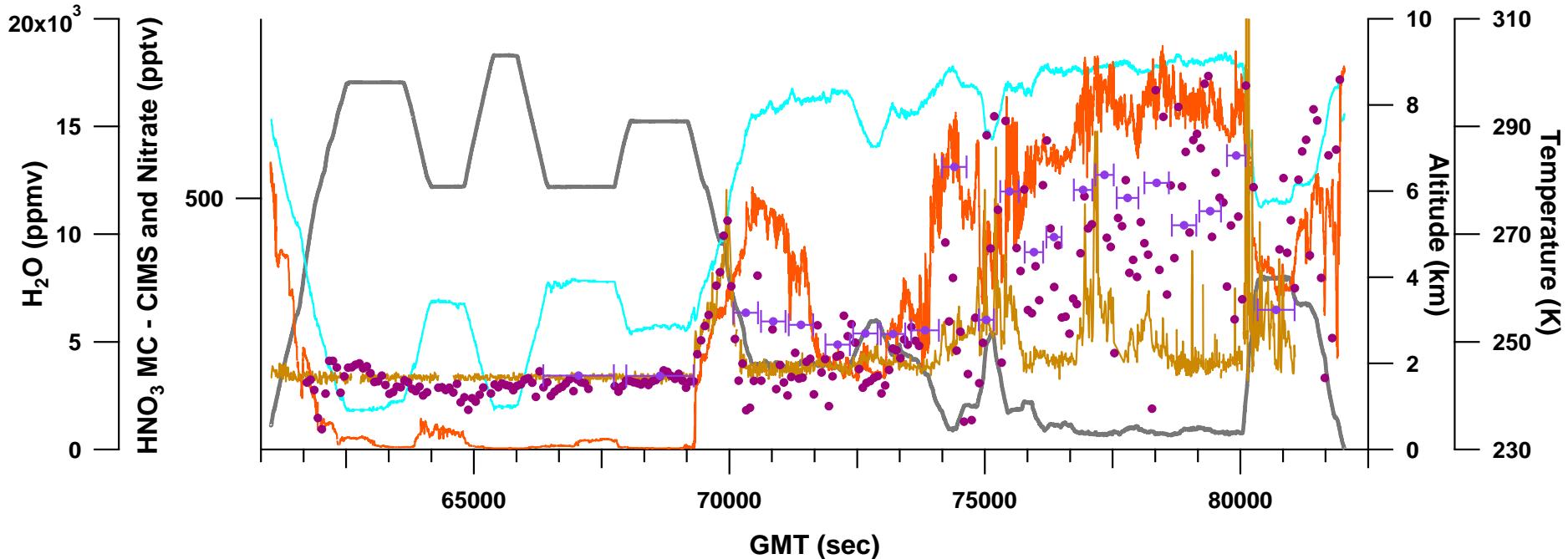
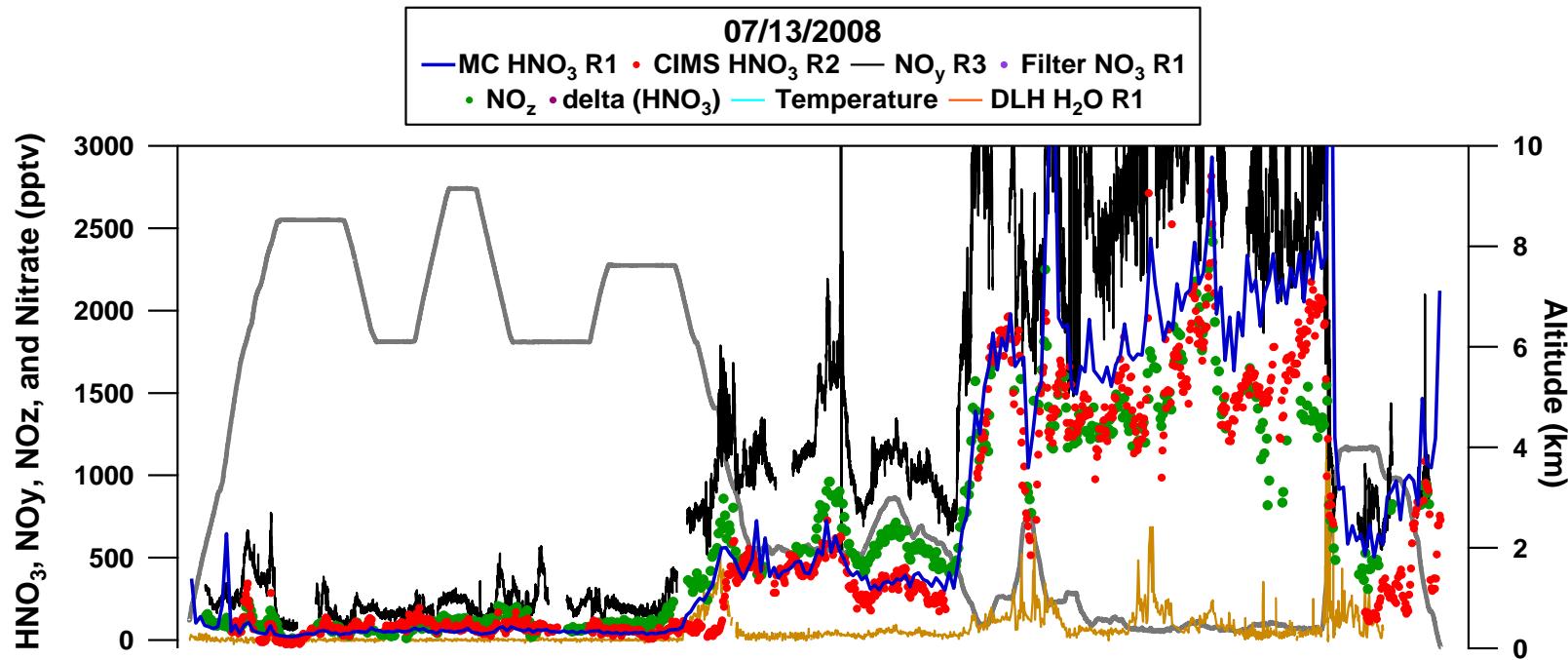
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— MC HNO₃ R1 • CIMS HNO₃ R2 — NO_y R3 • Filter NO₃ R1
 • NO_z • delta (HNO₃) — Temperature — DLH H₂O R1









HNO₃ Time Series

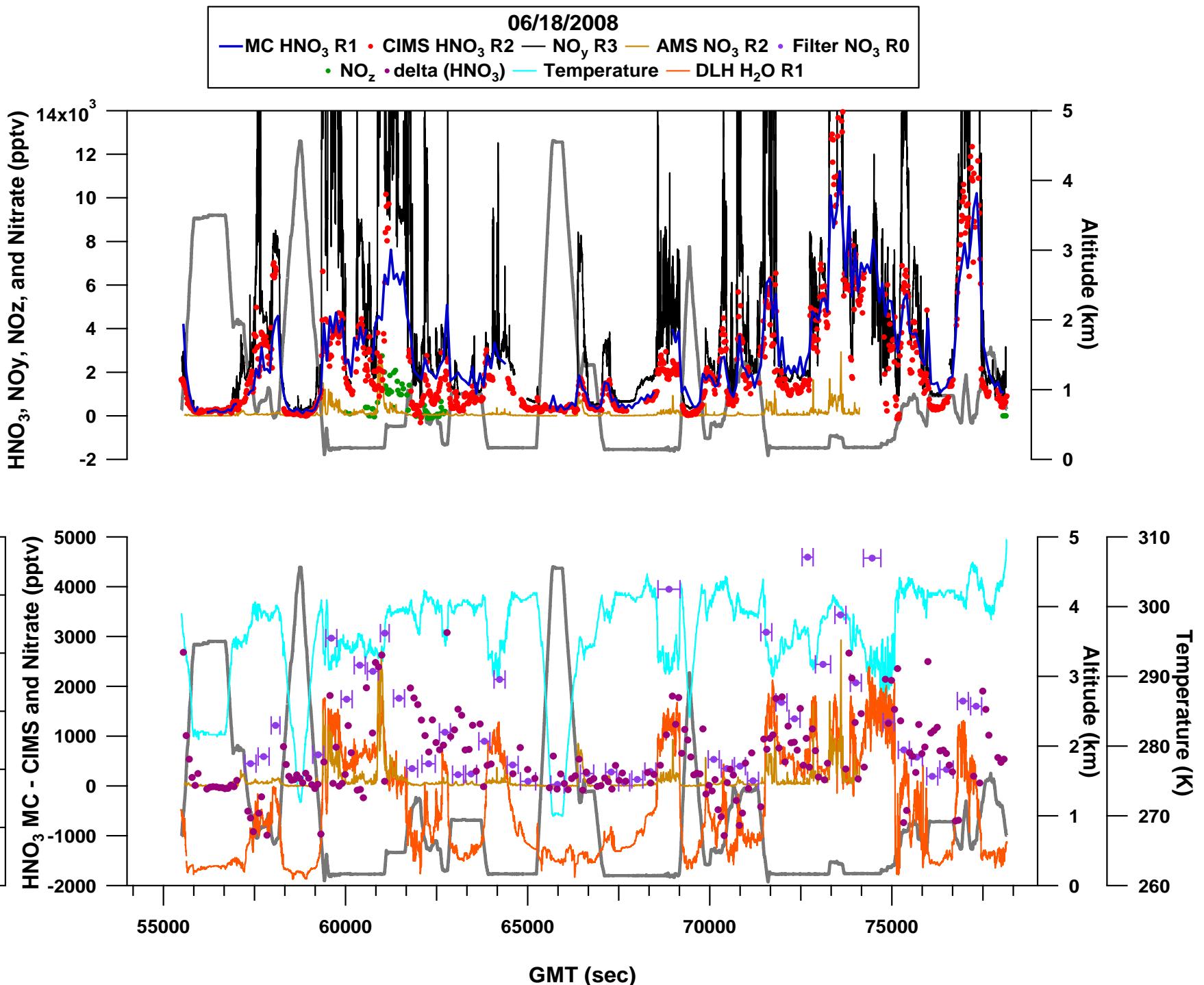
Definitions:

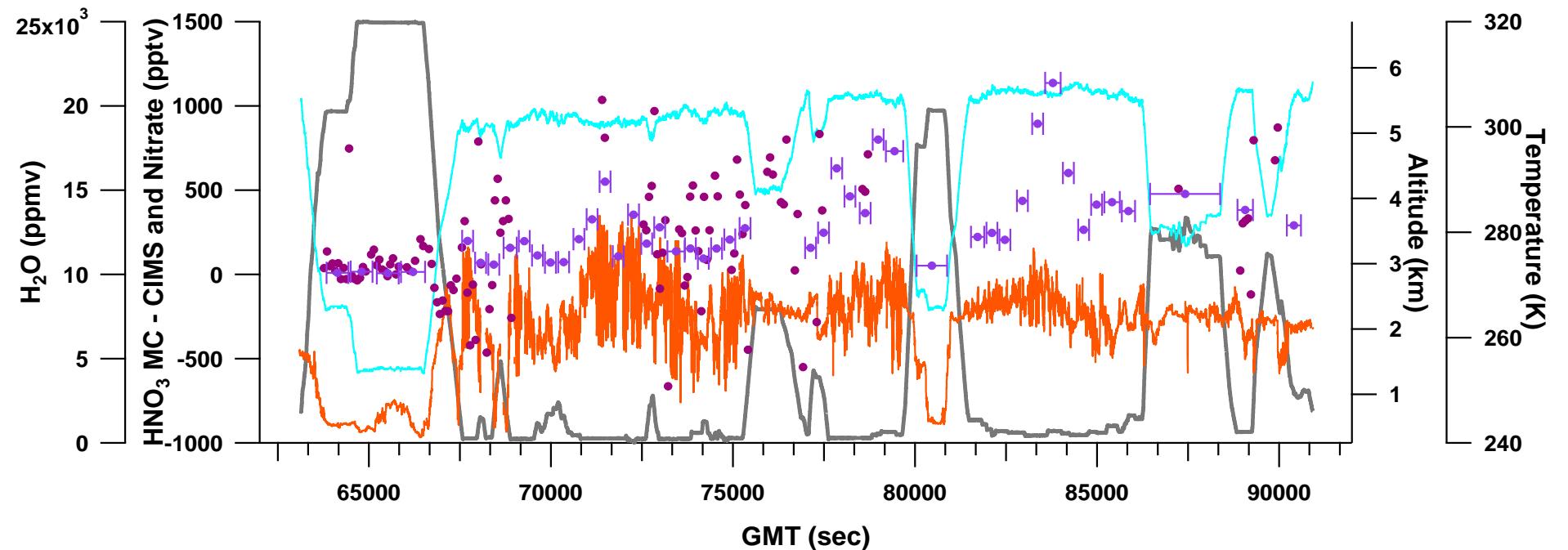
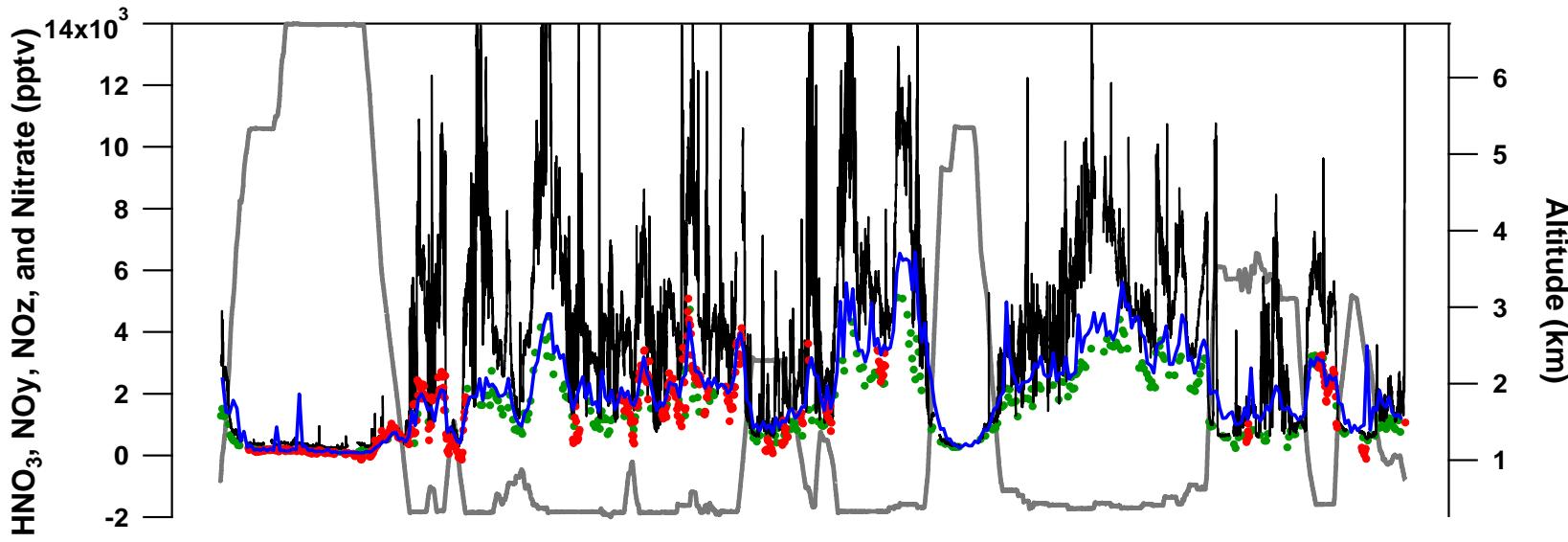
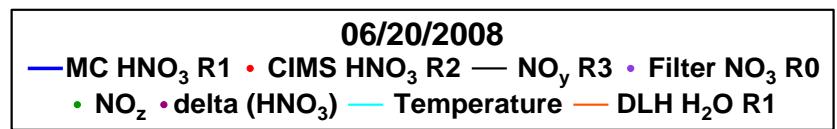
$$\text{NO}_z = \text{NO}_y - \text{NO}_2 - \text{NO} - \text{ANs} - \text{PNs}$$

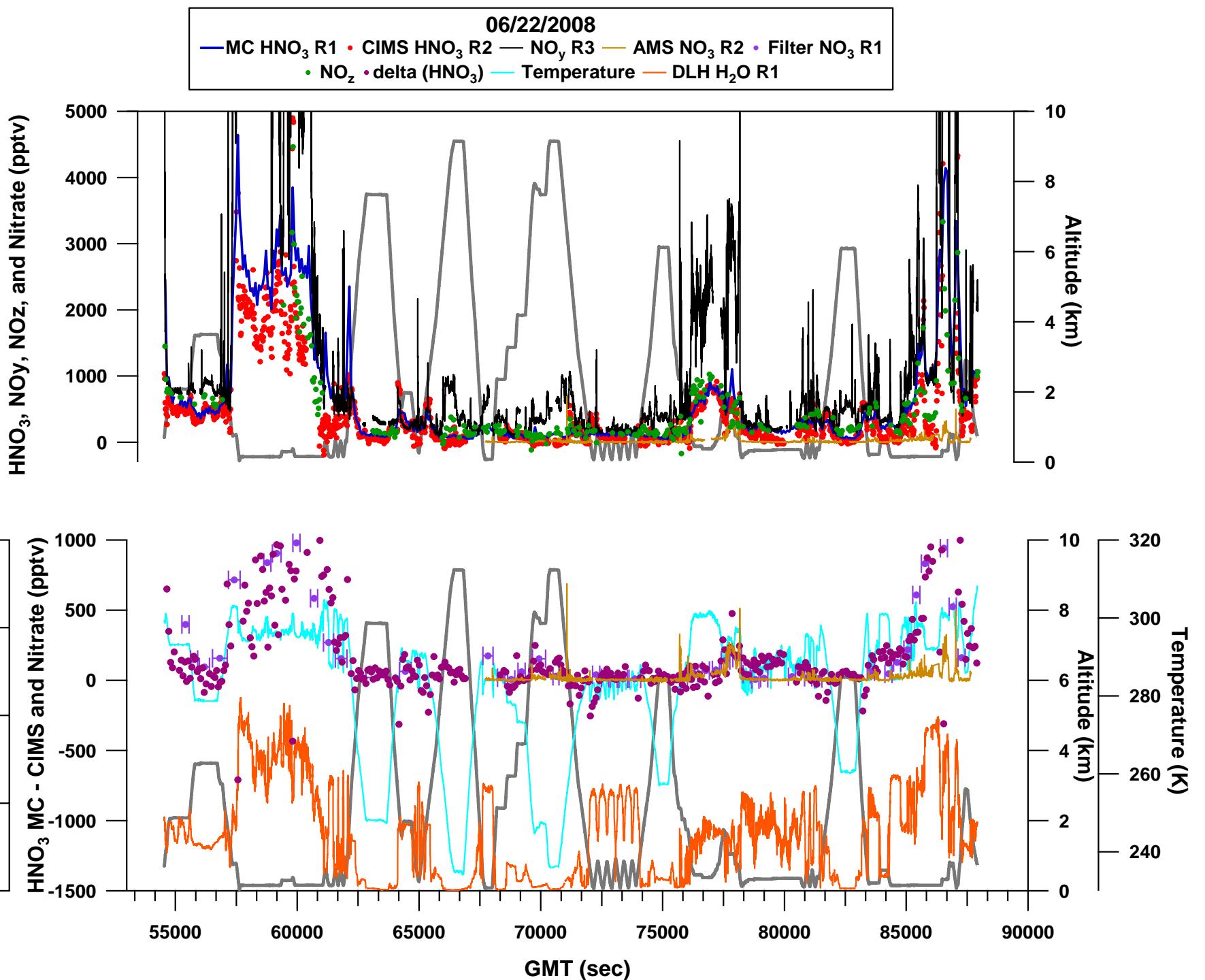
Note: NO_z calculated using 1 second merge for Spring phase and 10 second merge for the Summer phase

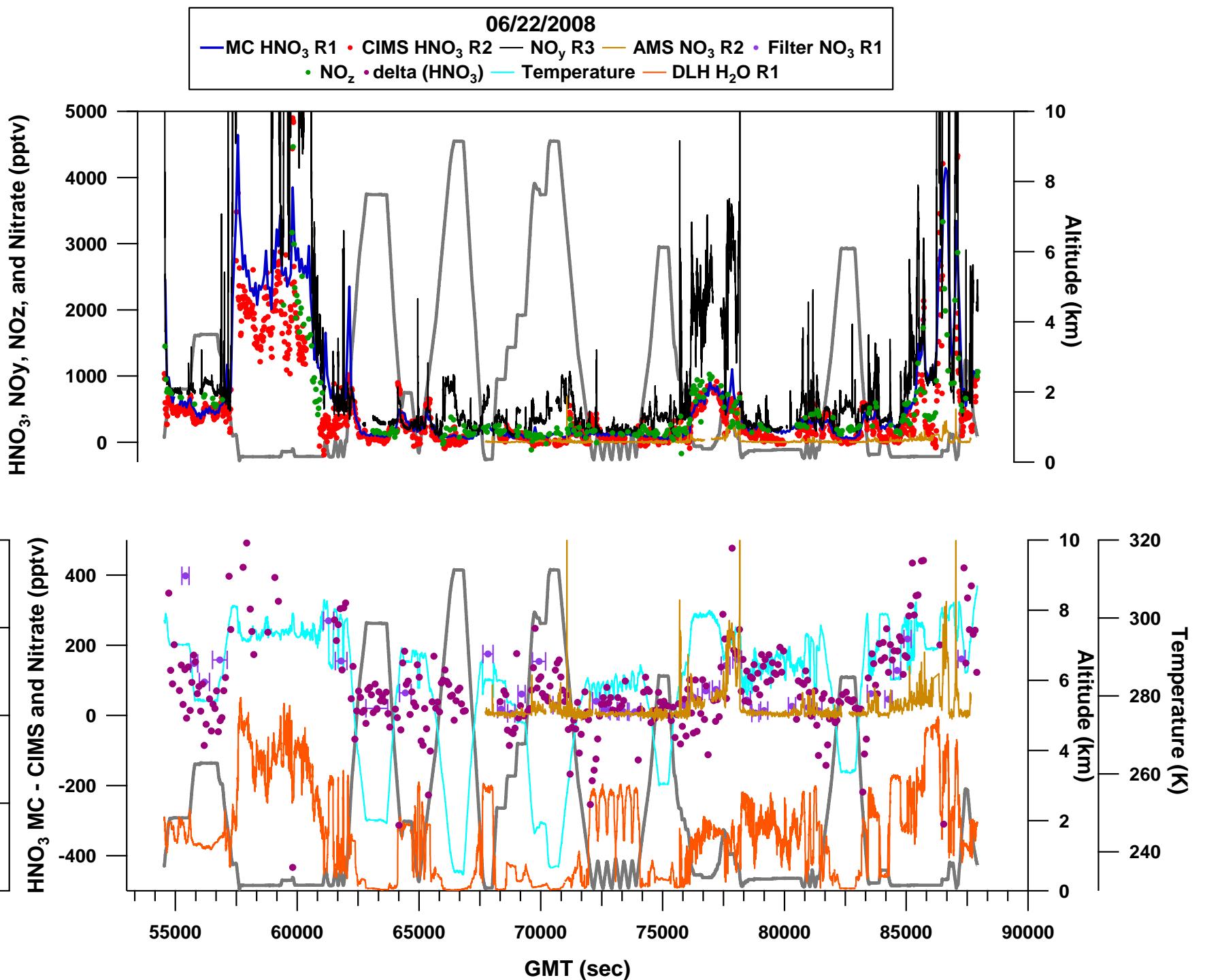
Revision Notes for NO_z

- 20080618: NOxyO3 (NO, NO₂ and NO_y) R3 and UCB-PNs R0
- 20080620: NOxyO3 (NO, NO₂ and NO_y) R3 and UCB-PNs R0
- 20080622: NOxyO3 (NO, NO₂ and NO_y) R3 and UCB-PNs R0
- 20080626: NOxyO3 (NO, NO₂ and NO_y) R3 and UCB-PNs R0
- 20080629: NOxyO3 (NO, NO₂ and NO_y) R3 and UCB-PNs R0
- 20080701: NOxyO3 (NO, NO₂ and NO_y) R3 and UCB-PNs R0
- 20080704: NOxyO3 (NO, NO₂ and NO_y) R3 and UCB-PNs R0
- 20080705: NOxyO3 (NO, NO₂ and NO_y) R3 and UCB-PNs R0
- 20080708: NOxyO3 (NO, NO₂ and NO_y) R3 and UCB-PNs R0
- 20080709: NOxyO3 (NO, NO₂ and NO_y) R3 and UCB-PNs R0
- 20080710: NOxyO3 (NO, NO₂ and NO_y) R3 and UCB-PNs R0
- 20080713: NOxyO3 (NO, NO₂ and NO_y) R3 and UCB-PNs R0



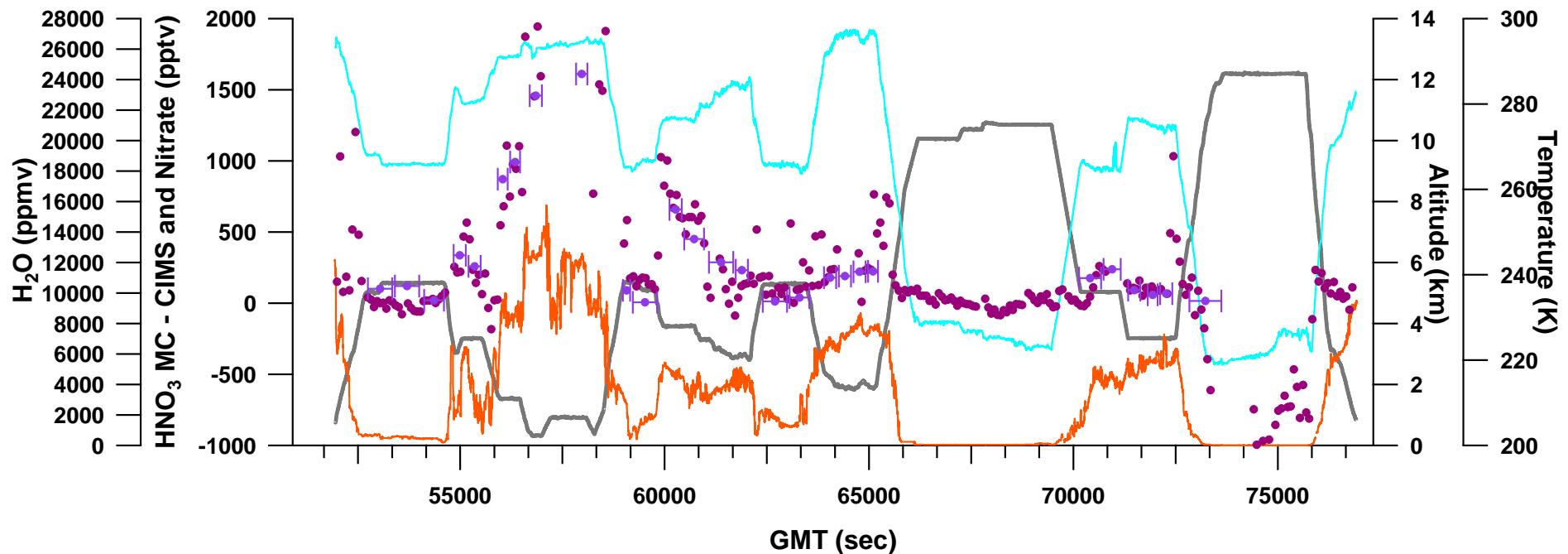
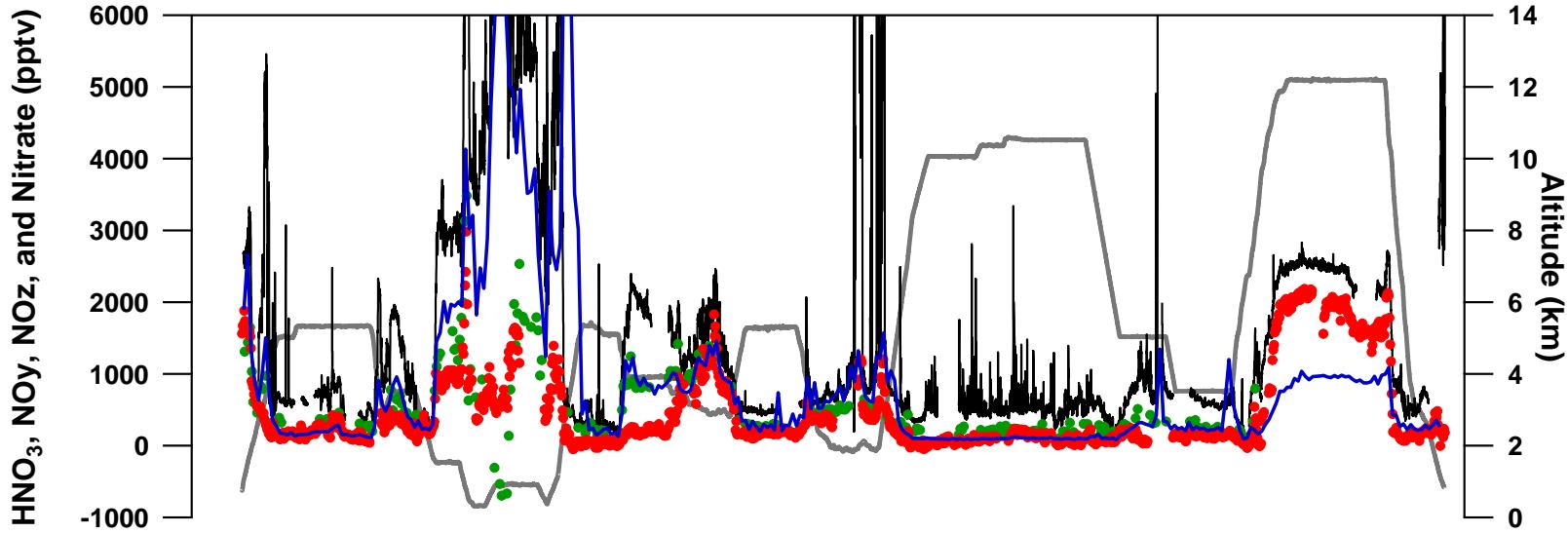






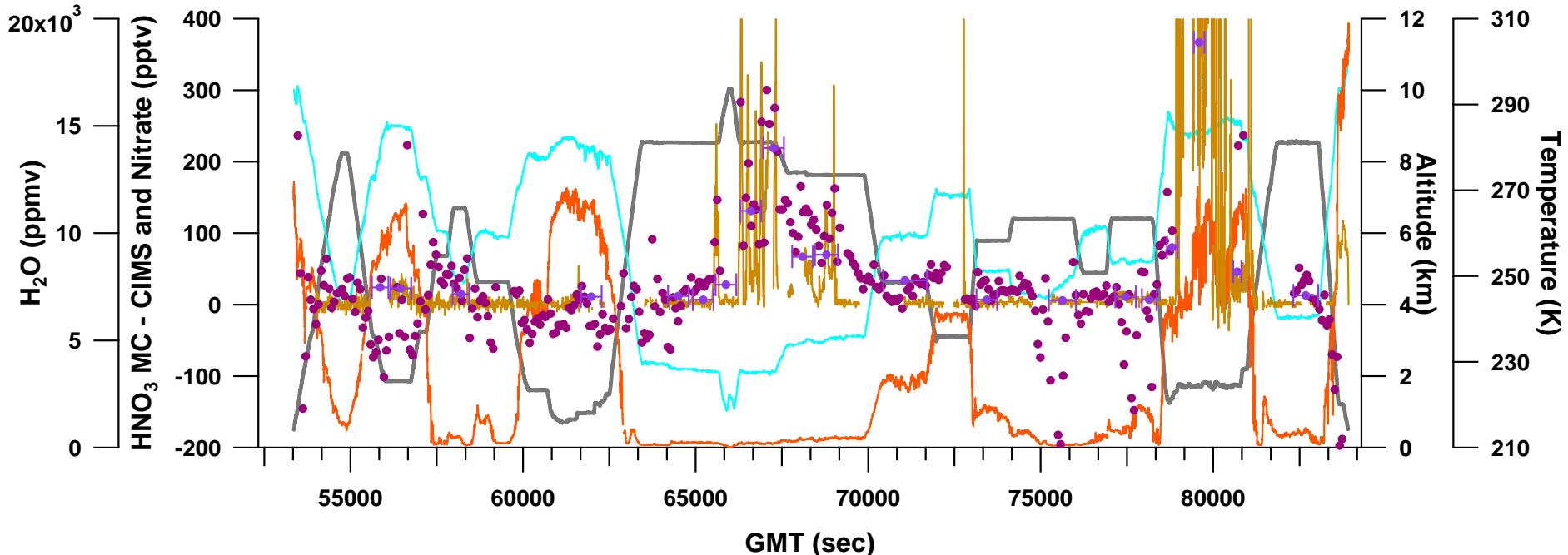
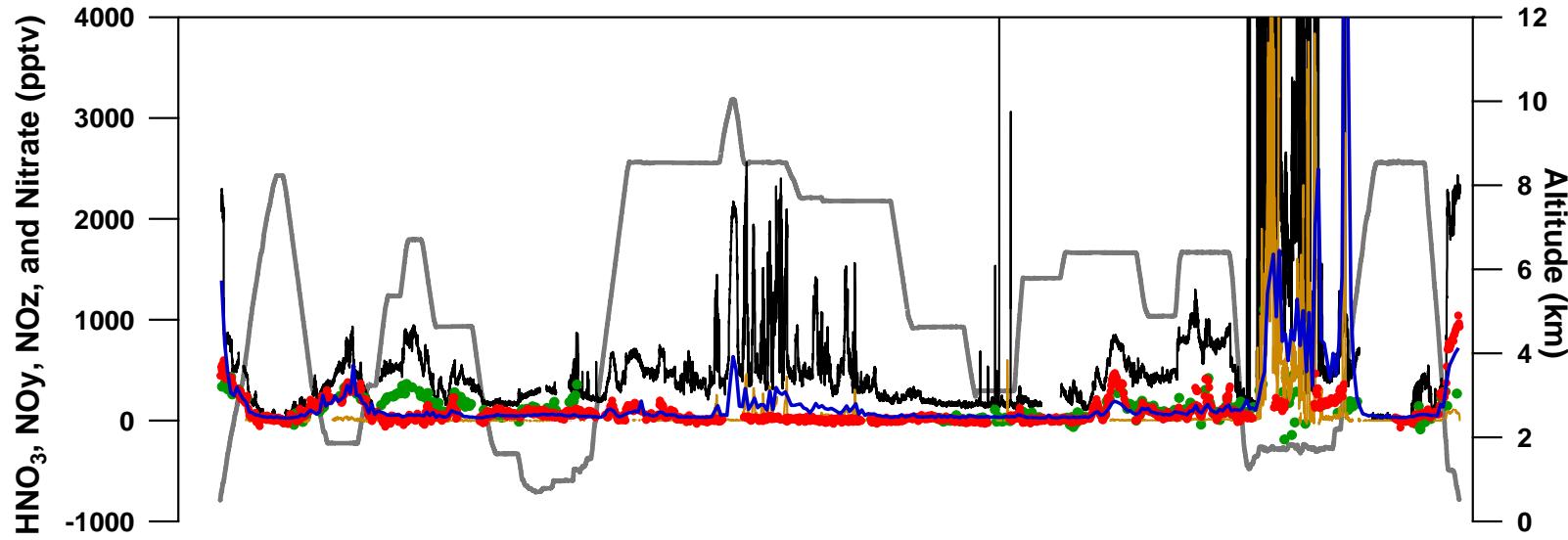
06/26/2008

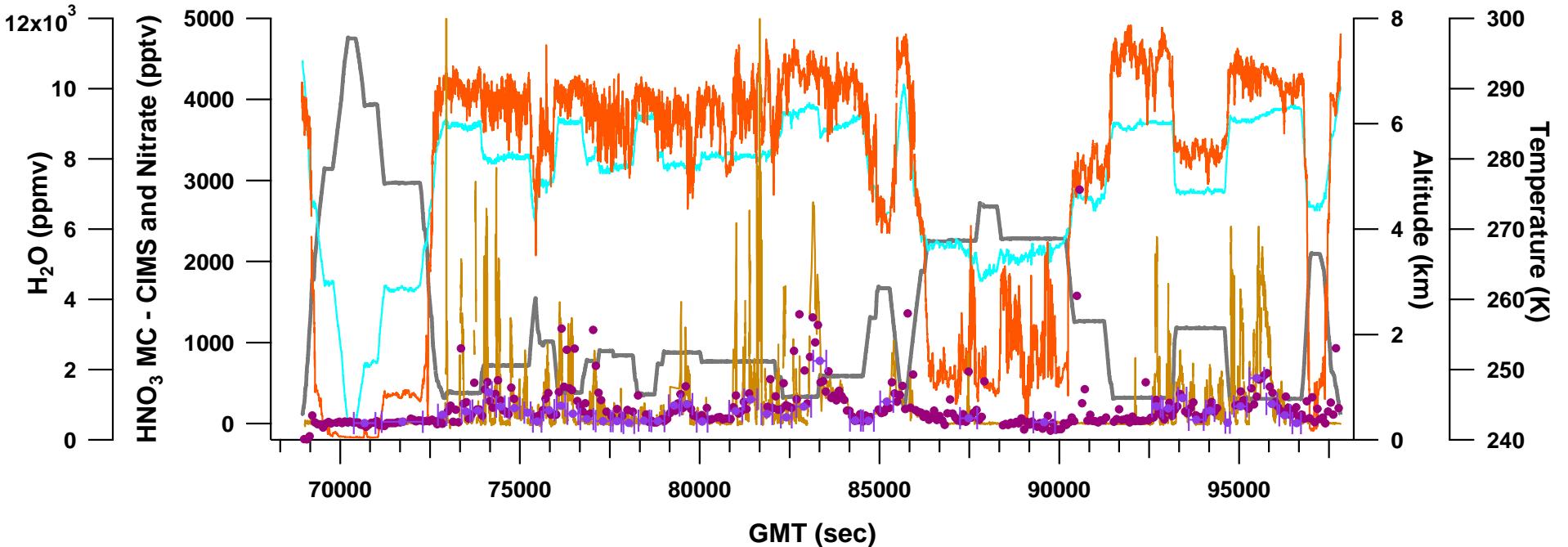
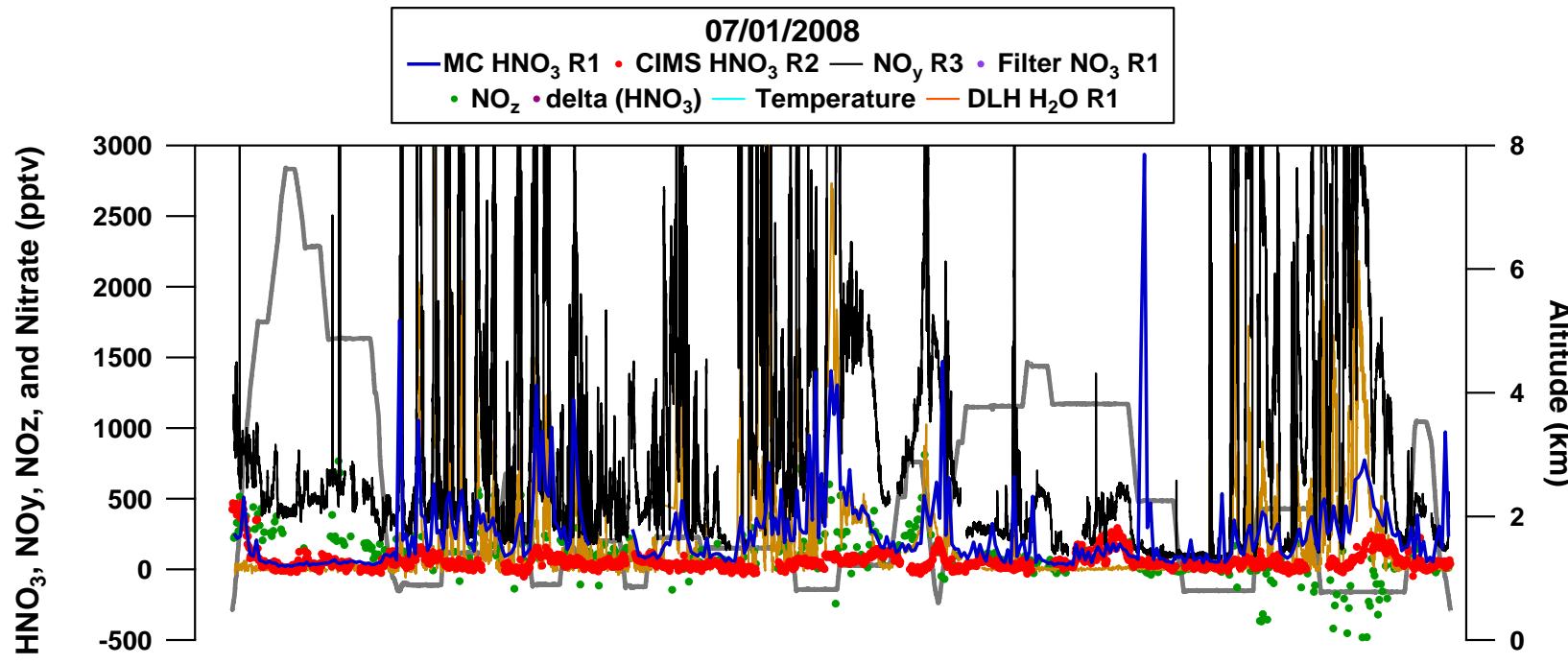
— MC HNO₃ R1
 ● CIMS HNO₃ R2
 — NO_y R3
 ● Filter NO₃ R1
● NO_z
 ● delta (HNO₃)
 — Temperature
 — DLH H₂O R1

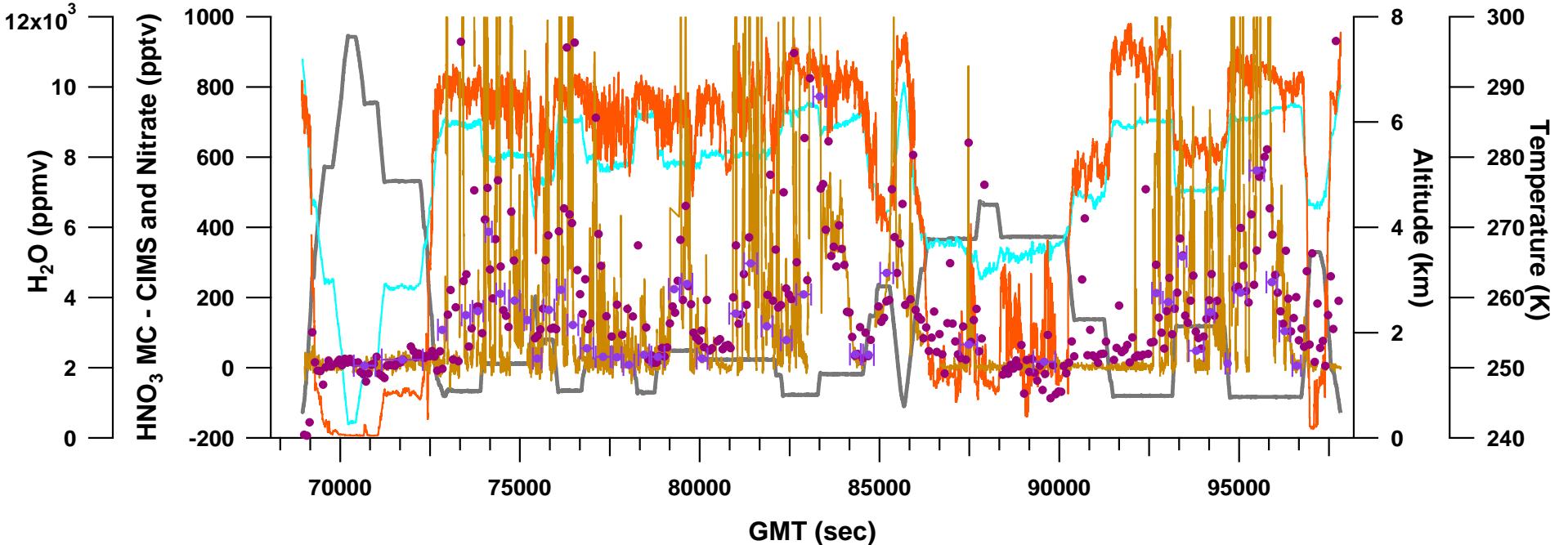
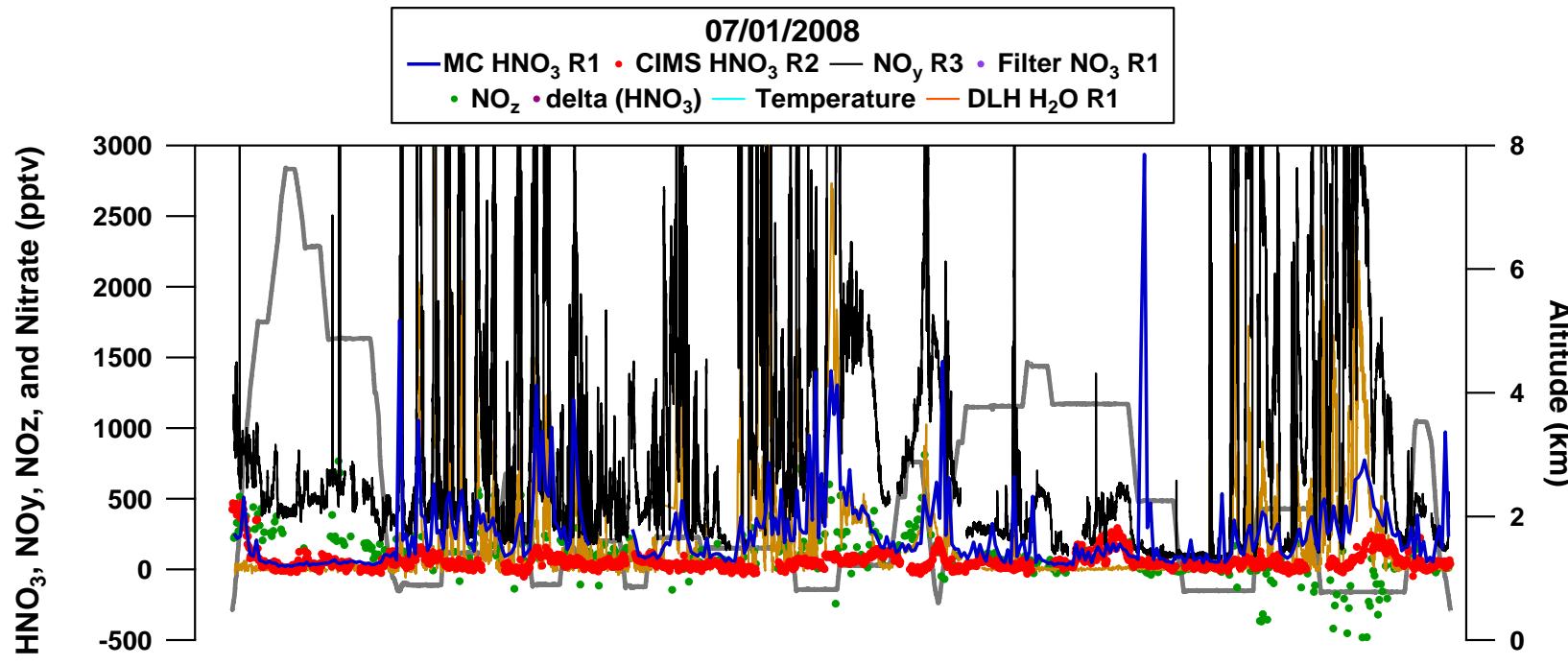


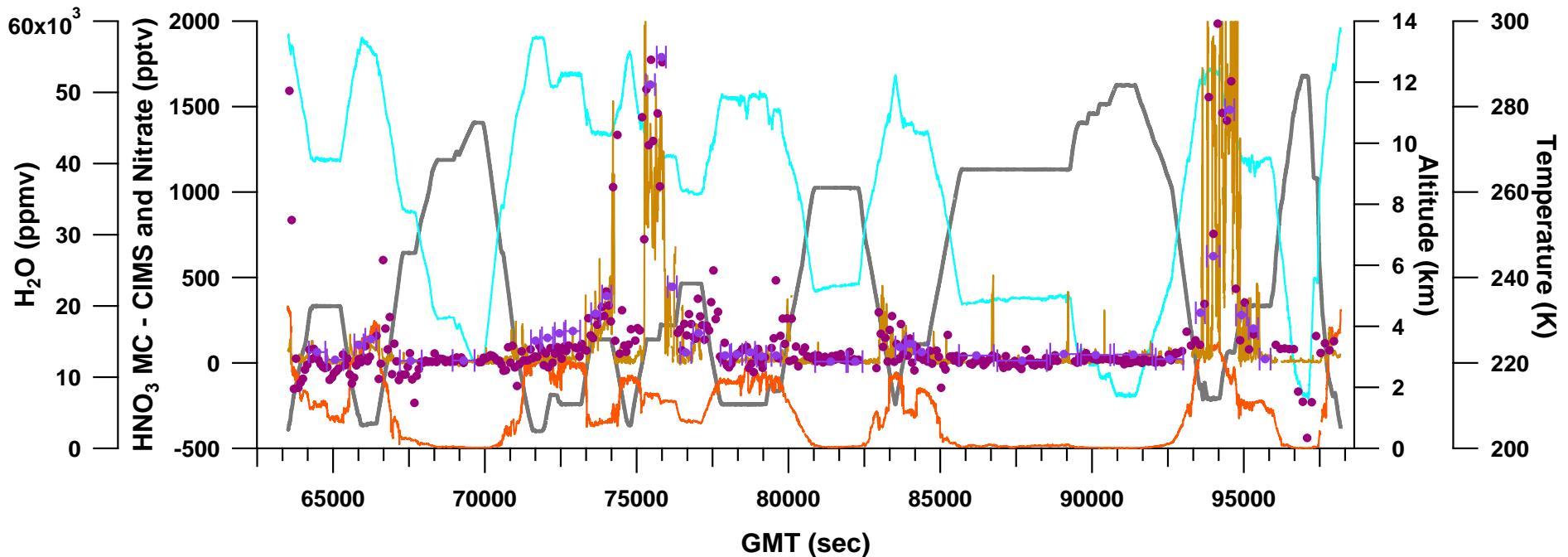
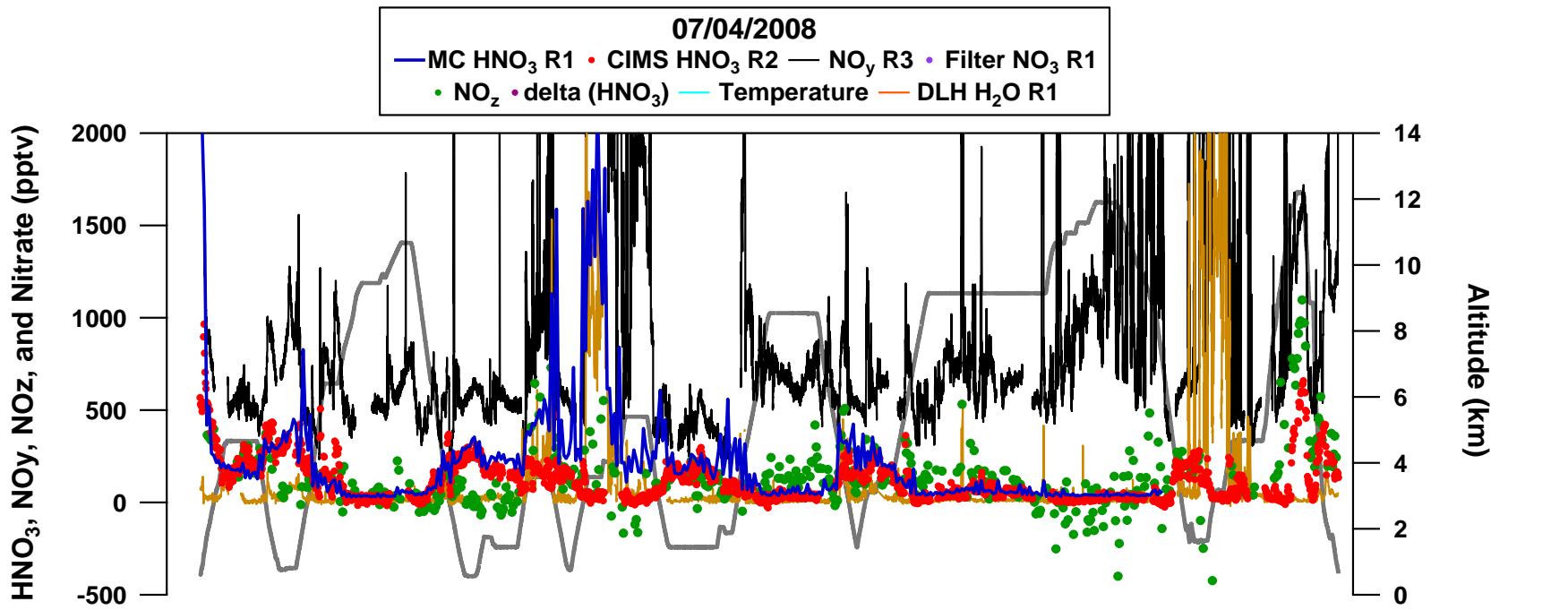
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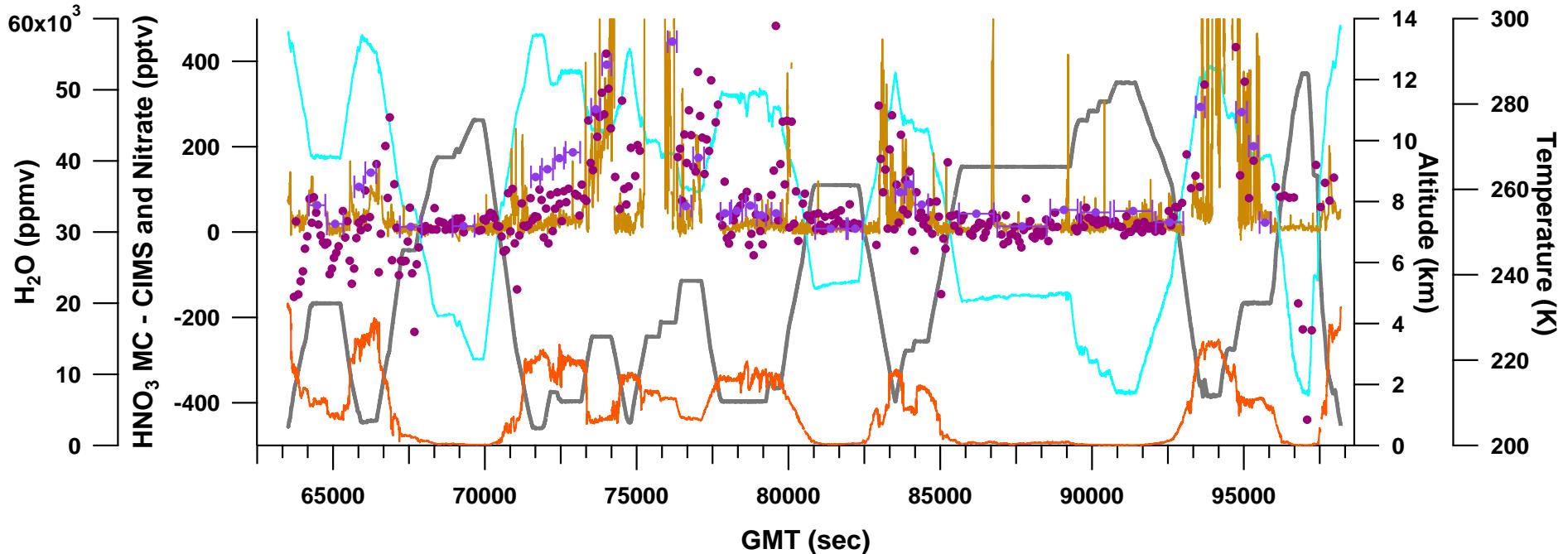
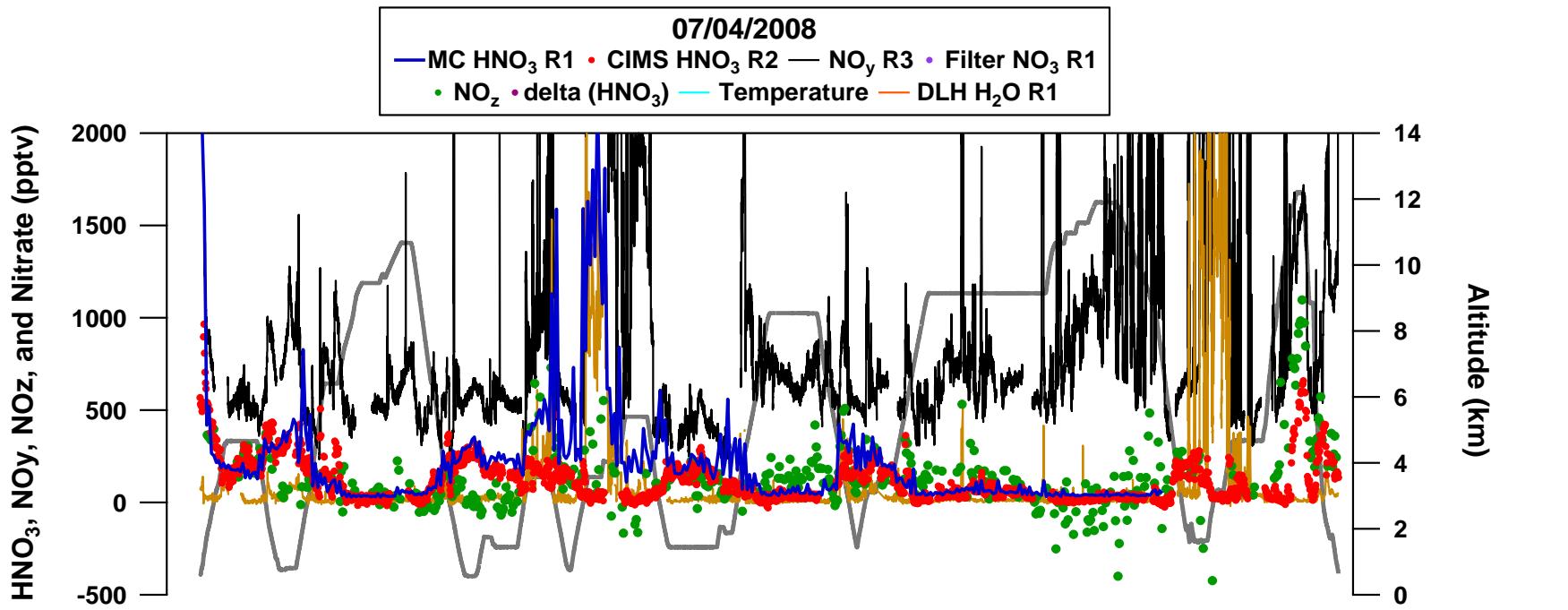
— MC HNO₃ R1 • CIMS HNO₃ R2 — NO_y R3 • Filter NO₃ R1
 • NO_z • delta (HNO₃) — Temperature — DLH H₂O R1

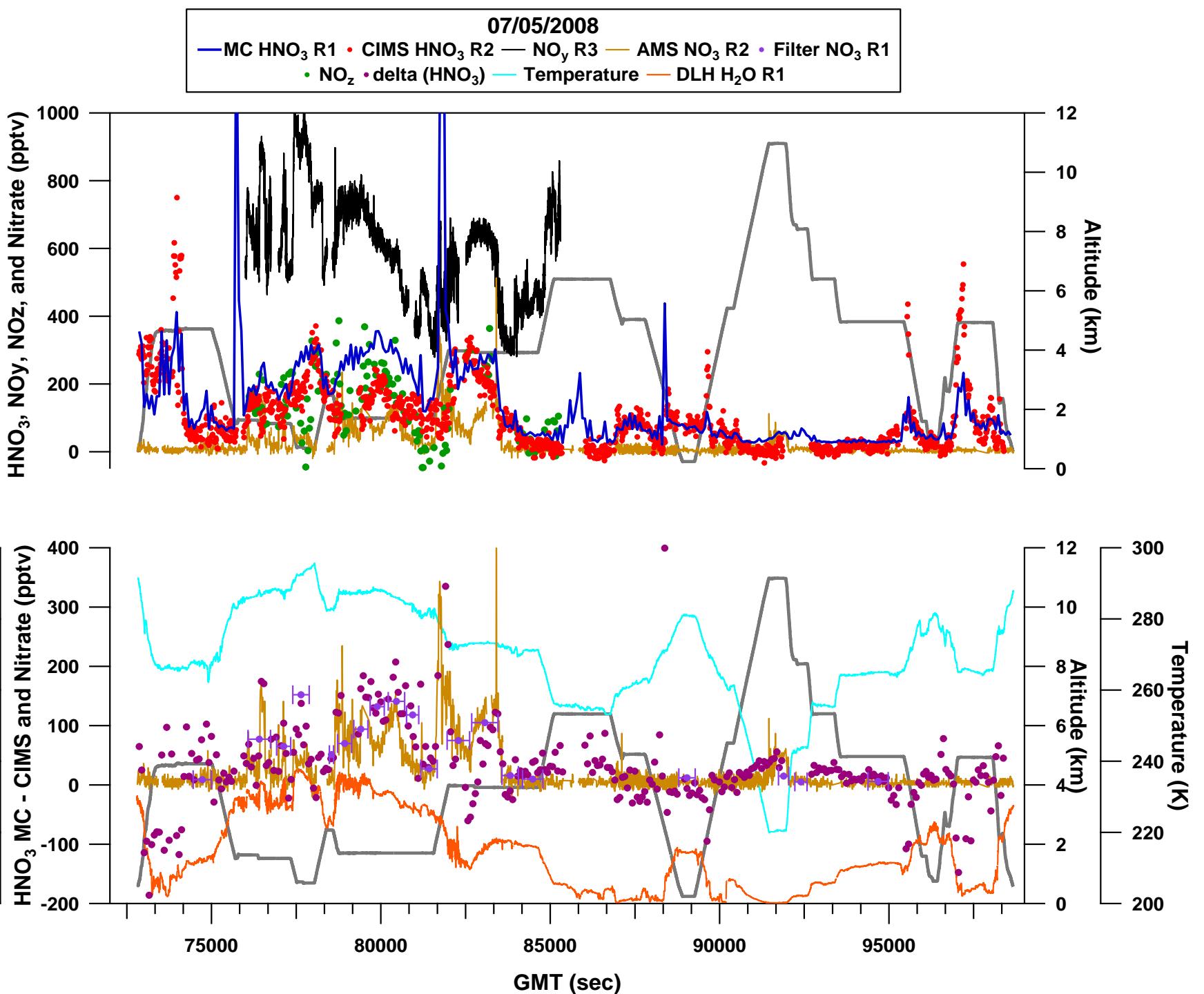






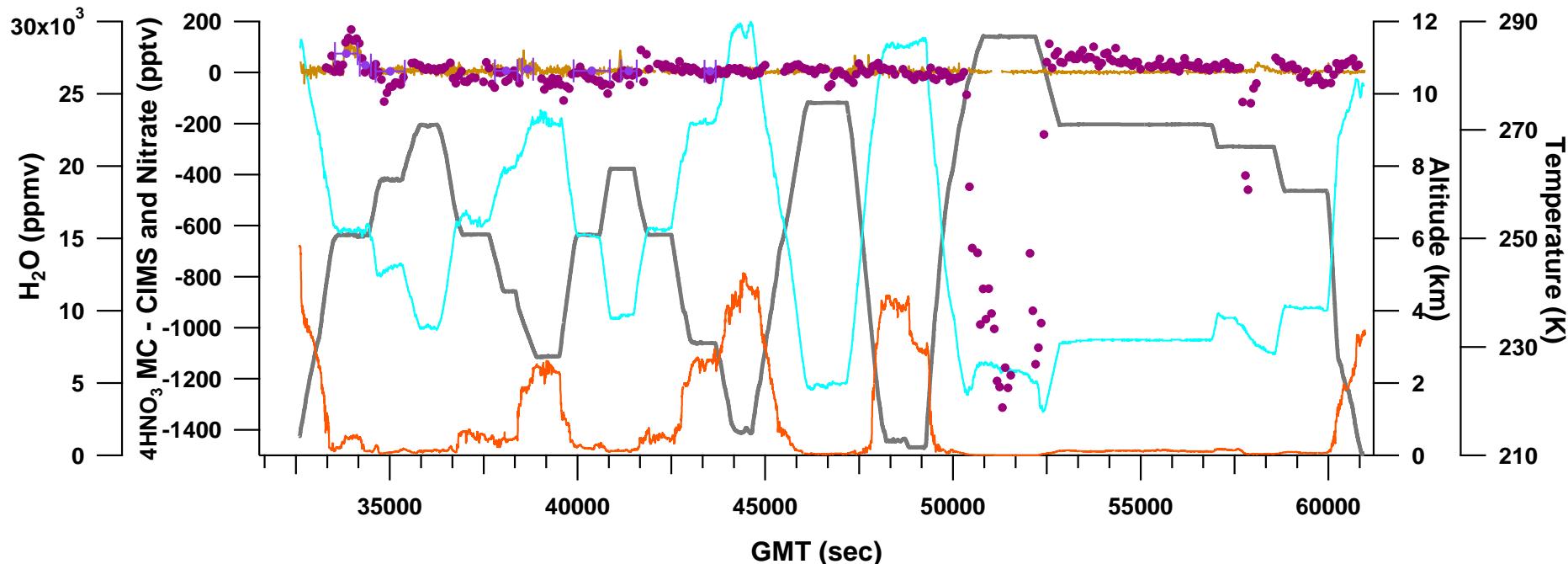
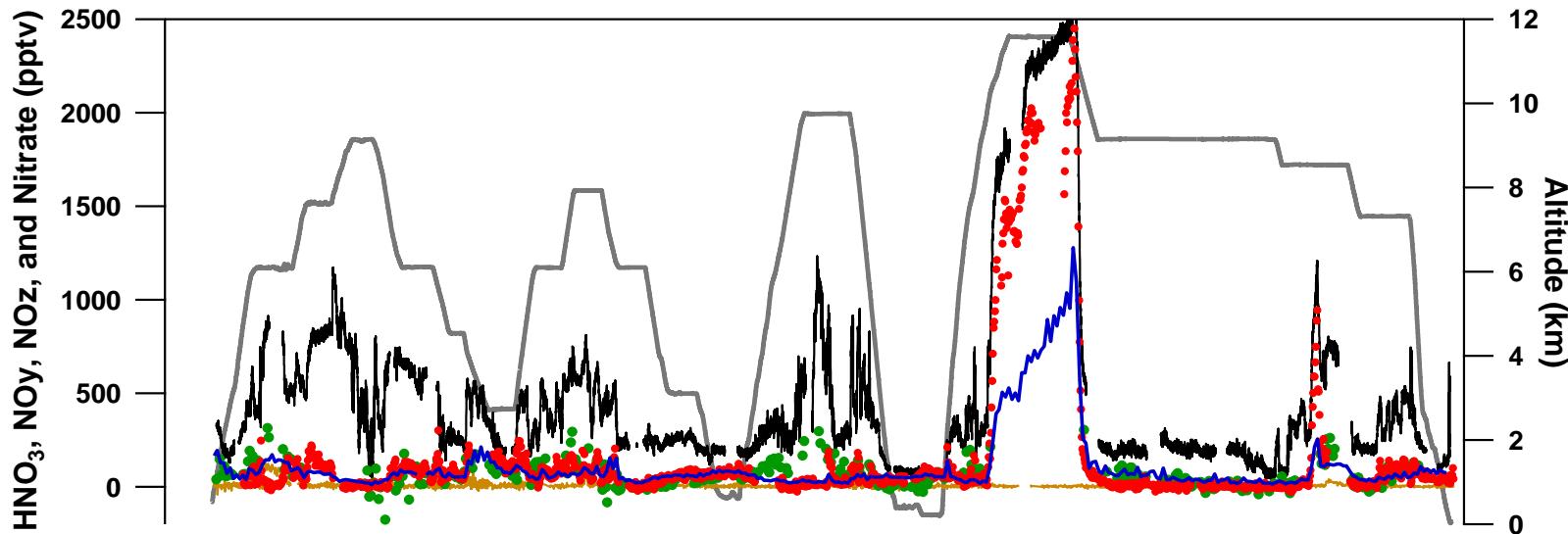






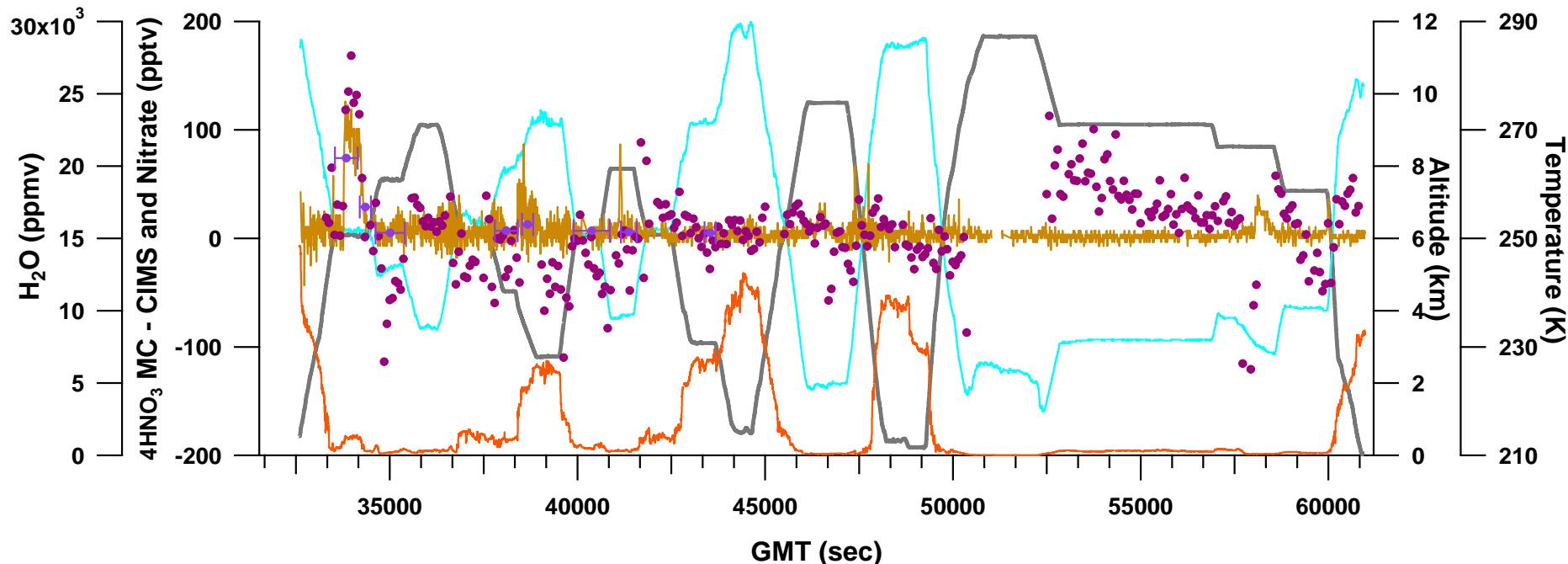
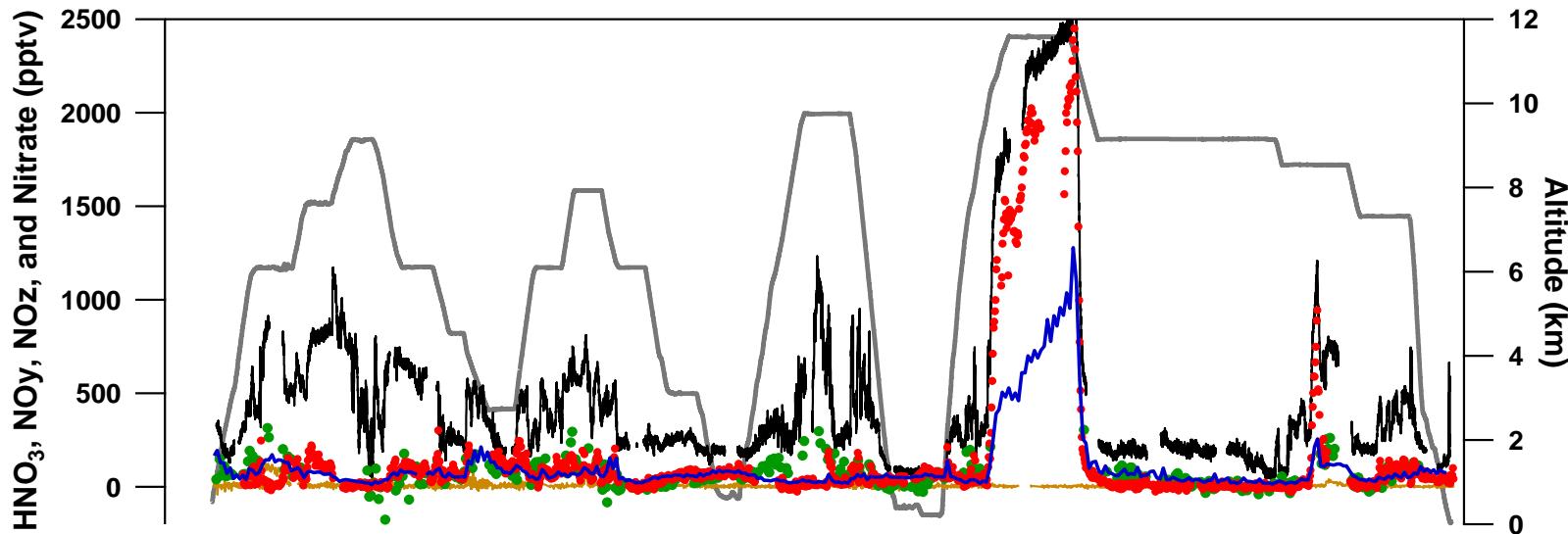
07/08/2008

— MC HNO₃ R1 • CIMS HNO₃ R2 — NO_y R3 • Filter NO₃ R1
 • NO_z • delta (HNO₃) — Temperature — DLH H₂O R1



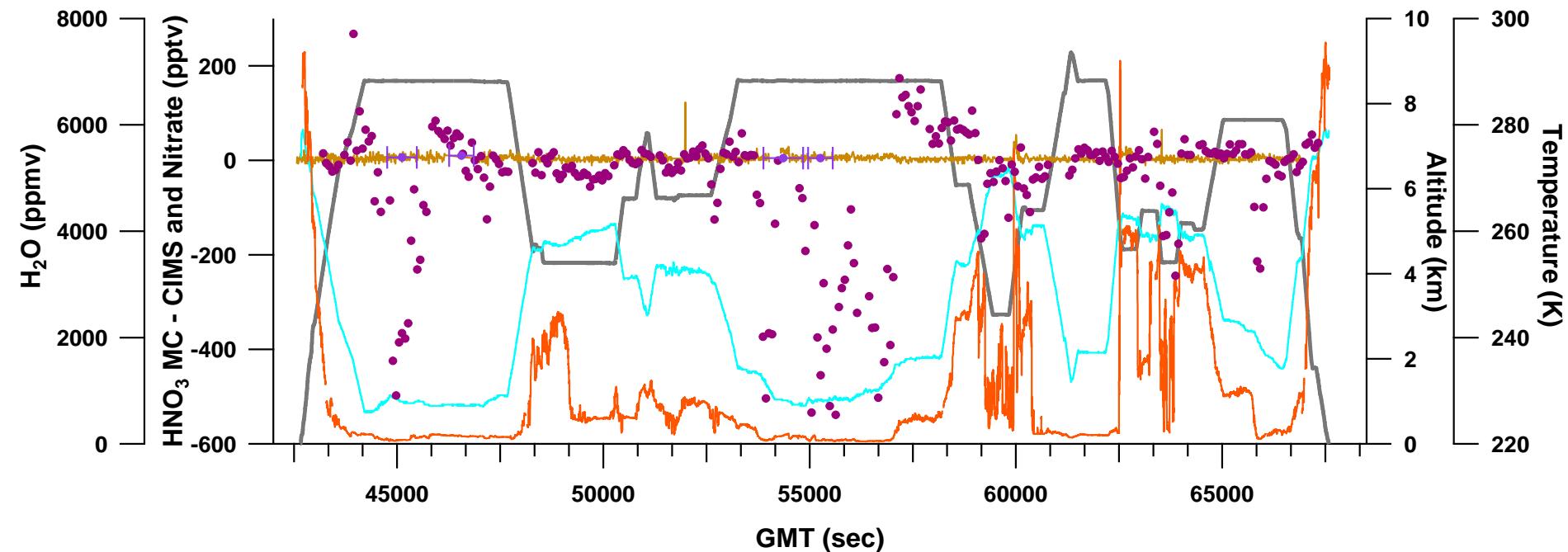
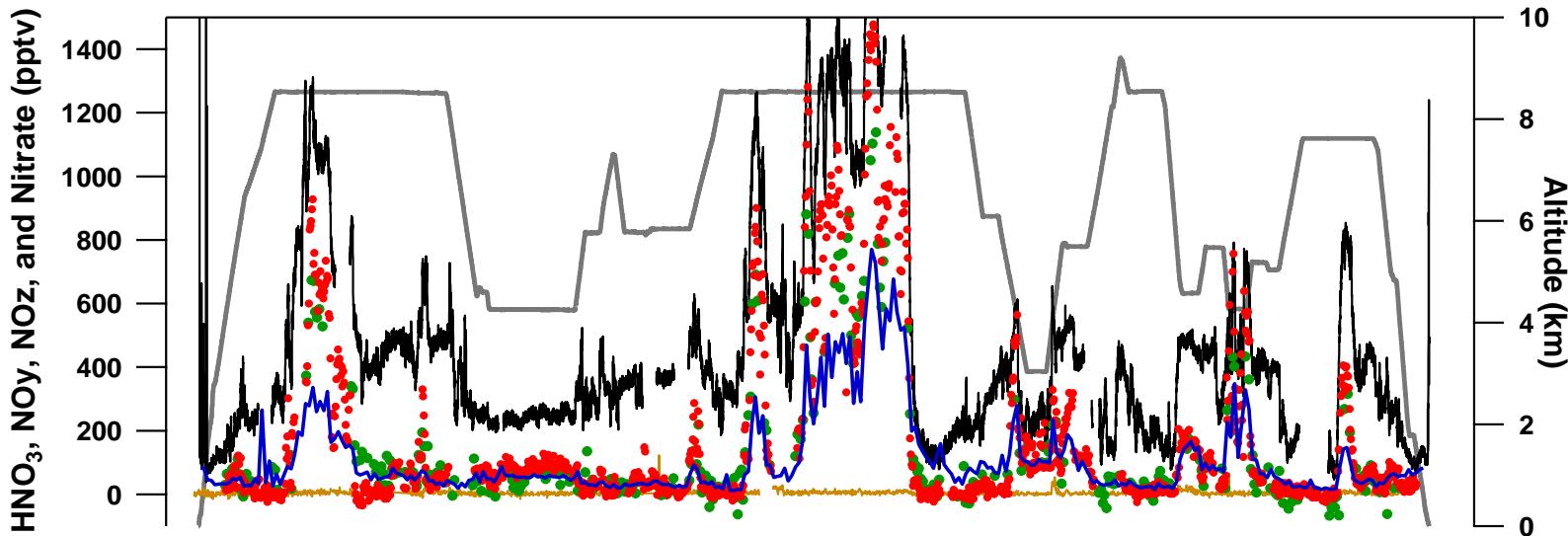
07/08/2008

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07/09/2008

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